ANIXTER

MARINE SHIPBOARD CATALOGUE

Products. Technology. Services. Delivered Globally.

THE ANIXTER DIFFERENCE

At Anixter, we enable the connected world. By building, connecting, powering and protecting valuable assets and critical infrastructures, we help to sustain and grow businesses and communities worldwide. We accomplish this by offering full-line solutions, technical intelligence, supply chain expertise and an unmatched global distribution network.

With Anixter, you can expect reduced execution costs, proven risk mitigation strategies and industry-specific technical advice combined with global sourcing, procurement and logistics excellence. Our team of experienced sales professionals, technical specialists and Supply Chain Solutions experts is ready to work with you to take cost and complexity out of your procurement decisions and project processes.

Our goal is simple: to create reliable, resilient systems that drive efficiency and effectiveness to benefit your bottom line.

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ANIXTER

Solutions that **build, connect, power** and **protect** valuable assets and critical infrastructures.

anixter.com

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Supply Chain Solutions

STAY COMPETITIVE WITH SUPPLY CHAIN SOLUTIONS

A wide variety of manufacturing challenges exist today that can impede shipyards and original equipment manufacturers (OEMs) from reaching operational performance goals.

CHALLENGES

- Lack of skilled labor—75% of manufacturers report a moderate to severe shortage of skilled labor.[1]
- Manufacturing capacity—Utilization averages only 74%.[2]
- Balancing costs and growth—82% of executives aim to cut costs to fuel growth.[3]
- Margin pressures
- Continuous improvement—Best-in-class companies deploy "lean" or Six Sigma methodologies to continually improve their supply chain to lower total costs, become more responsive, be more agile and generate more profit.

Sources: [1] Accenture. [2] MAPI (Manufacturers Alliance for Productivity and Innovation). [3] Accenture study: Increasing agility to fuel growth and competitiveness.

SOLUTIONS FOR SHIPYARDS AND ORIGINAL EQUIPMENT MANUFACTURERS

Anixter has been providing wire and cable solutions to the OEM marketplace for more than 60 years. We leverage our vast knowledge of wire and cable along with our global sourcing, procurement and logistics expertise to help you deliver a quality product and exceed your customers' service and performance expectations.

With Anixter, you can expect reduced execution costs, proven risk mitigation strategies and industry-specific technical advice combined with global sourcing, procurement and logistics excellence. Our team of experienced sales professionals, electrical engineers and Supply Chain Solutions experts is ready to work with you to take cost and complexity out of your procurement decisions and project processes. Our goal is simple: to create reliable, resilient systems that drive efficiency and effectiveness to benefit our customers' business.

Today, the Anixter Operational Efficiency Model is helping our manufacturing customers leverage best practices to realize meaningful, holistic operational performance improvements.

Operational Efficiency Model
by Anixter

Proven Results with Anixter's Operational Efficiency Model

Challenge

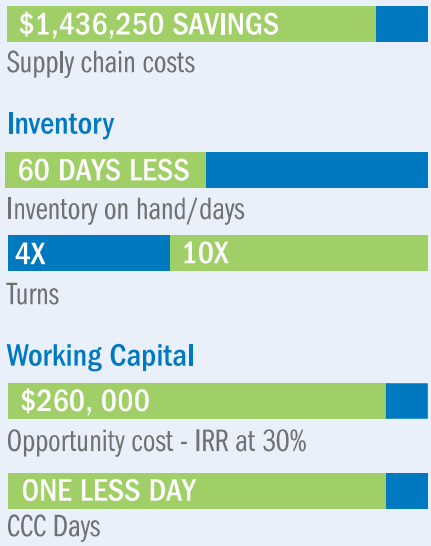
- Nonproductive labor was impacting plant efficiency and utilization goals
- Excessive walk time
- Insufficient inventory turns
- Excess inventory
- Storage constraints

Solutions

Move raw materials to various points of use and implement a VMI program at site

Results

- Less inventory
- Improved productivity
- Faster project completion
- $1.4 million in total cost of ownership savings



LEVERAGING ANIXTER'S CORE COMPETENCIES TO HELP CUSTOMERS ACHIEVE OPERATIONAL EFFICIENCY

EXPANSIVE PRODUCT PORTFOLIO

With over 600,000 parts from over 4,000 manufacturers, leveraging and rationalizing your supply base goal can be achieved.

ENGINEERING SERVICES

Our global team of 60 engineers enables you to ideally match products to application demands and design parameters, saving you time and money.

GLOBAL CAPABILITIES WITH LOCAL PRESENCE

Anixter has over 300 warehouse and branch locations totaling around 9.0 million square feet across approximately 50 countries.

All locations operate on a single platform, making Anixter the only truly global distributor delivering a consistent solution across your sites.

SUPPLY CHAIN SOLUTIONS

Our holistic view of the supply chain looks at your key performance indicators across each of your functional groups and leverages our best practices to implement solutions to drive efficiency and lower total costs.

Sourcing | Inventory Management | Product Enhancement & Packaging | Global Logistics | E-Commerce

Key challenges that our supply chain services address

Sourcing

- Engineering alternatives
- Quality
- Purchase price variance
- Commodity hedging
- Rationalizing supply base
- Leveraging spend
- Global sourcing alternatives

Inventory Management

- Asset Efficiency
  - Turns
  - Inventory days
- Visibility
- Excess reduction
- Working capital improvements

Product Enhancement & Packaging

- Production efficiency and velocity
- Labor optimization
- Flexible capacity/ variable costing

Global Logistics

- Access to new markets
- Localization - in-country sourcing alternatives
- Time-to-market alternative planning
- Freight reduction
- Import/export documentation

eCommerce

- Performance metrics
- Multi-site/supplier spend reporting
- Business reviews
- Online access
- Compliance/quality
  - REACH/RoHS
- Sustainability goals
- Systems integration

Before

After

- Anixter managed consumable, expensed and safety spend via vending machines—decreased spend by 21 percent
- Supplier consolidation decreased POs by factor of 4
- Automated replenishment with min/max points
- Accountability and cost control in place
- Lowered on-hand inventory value by 30 percent

- No need to set up jack stands—minimizes injuries
- Easy to move and pull wire
- Custom lengths—minimizes excess
- Recycle reels back to Anixter—less waste

CASE STUDY

PROVIDING LOCAL STOCK AND ENHANCED SERVICES TO SUPPORT A MULTIYEAR SHIPBUILDING PROGRAM

A Titanic Undertaking

Building six arctic patrol vessels over six years as part of Canada's National Shipbuilding Procurement Strategy (NSPS) program is a complex undertaking that has a big challenge: managing the literally tons of material coming into the manufacturing facilities.

The NSPS awarded a manufacturer in Canada the contract to build the arctic vessels as part of a larger $40 billion program to build 40 navy and coast guard vessels over 20 years.
The Halifax-based company, selected for the project for its national and local capabilities, needed a partner to help manage the inundation of products and elements coming into its facilities.

Launching a Nationwide Strategy

In 2014, Anixter launched its National Marine Vertical Strategy program, which included creating a day-to-day maintenance stock program and developing strategic partnerships with key suppliers. As a global distributor with a long history in complex wire and cable construction, Anixter was able to leverage its existing standards, product and value-added services and apply them to the marine industry.

During the open bidding, the shipbuilder asked Anixter to specify materials, source cable and find onboard vessel electrical applications and dry dock and shipyard electrical applications. Thanks to its recent strategy, Anixter was able to show the shipbuilder its capabilities and supplier relationships in Canada and globally. Because of this strength, Anixter's Halifax, Canada, location was awarded an eight-year project to supply products to the shipbuilder.

SUMMARY

Customer
Shipbuilder

Challenge
Supply enhanced product over six years to construct six arctic vessels

Solution
Local stocking and value-added services

Results
- One-stop shop for products, expertise and services
- Local inventory delivered as needed for the life of the project
- Set up internal facility processes to meet customer's specific needs

Rooting out Pain Points

The shipbuilder had several pain points with the cable it needed to address upfront: conducting the cuts, preterminating, finding alternative solutions and warehousing the product. With 136 miles of cable going on just one ship and the entire building process lasting two years, storing it required some serious space and time. Anixter provisioned space in one of its local stocking facilities to store the cable for the duration of the project and deliver to the shipbuilder only when needed.

Part of the value Anixter drove to the shipbuilder was its ability to provide essential services to enhance the cable before it arrived to the construction site. These services included cutting, tagging with the company's bar coding system, attaching tags and inkjet printing of the cables.

Throughout the program, Anixter will supply the wire and cable and related supply chain services:

- 220 kilometers (136 miles) of wire per vessel
- 10,000 cuts per vessel
- Print and provide more than 40,000 aluminum tags with identification numbers embossed on the tag
- Terminate more than 250 coaxial and Category cables
- Print and attach more than 49,000 identification labels to the cables at every five meters (16 feet)

Working out the Details

Anixter worked with preferred suppliers on pricing based on the shipbuilder's requirements. The local facility had to be within 30 miles of the shipyard and emergency cuts needed to be completed within eight hours. Because this was a government project, Anixter needed to monitor the amount of Canadian products going into the build. Anixter conducts weekly calls with operations, sales and marketing to make sure that best practices are being followed and the project is running smoothly.

One special detail is the delivery of the cable coils. Per the customer's instructions, the new trees holding the cables had to be hung in sequence before being delivered. Anixter set up a process in its facility to match the customer's requirements, and now, each coil is shipped in order according to schedule.

Products

- Cable entry seals
- Glands, lugs and terminals
- Enclosures and switches
- Surveillance cameras, access control and PA systems
- Flame-retardant vessel protection materials

Value-Added Services

- Vendor managed inventory
- Cable trees
- Cut to length based on project bill of materials
- Bar coding
- Just-in-time delivery
- Cable assemblies
- 24-hour emergency services
- Cable tagging, printing and customer labels
- Preassembly and kitting
- Supplier rationalization

Providing Ease of Mind

Anixter worked to build relationships with the customer, solidify its position with supplier partners and leverage its expertise in other regions to create a full customer relationship for the shipbuilder. By being a one-stop shop for products, expertise and services, Anixter is meeting its requirements and providing the customer with ease of mind to know it doesn't have to worry about the supply of material.

Through continuous dialogues and collaborating to solve problems, Anixter and the shipbuilder are working together to create the electrical integration element for the six ships. Anixter is serving as a full partner to deliver to the shipbuilder and the Canadian government an efficient and cost-effective solution as possible.

For more than 50 years, Anixter has provided high-quality, innovative products to shipbuilders, dry docks, the Coast Guard and other ship operators.

Solutions for Commercial and Military Marine

Whether your requirements are commercial or military, support power, control, instrumentation, ship-to-shore, sound, security, communications or grounding applications, you can be sure that the solutions we offer meet strict industry standards and are reliable in the most extreme conditions.

Your Technology Partner

As a leading global distributor of communications and security products and electrical and electronic wire and cable, we represent the world's leading manufacturers and maintain the broadest and most complete wire and cable inventory in the industry.

With a strength in supply chain management and materials logistics and an unmatched level of technical support, we partner with you to deliver the products you need in order to update, integrate or modernize your vessels' electrical and communications systems.

Inventory management

Let us design a program to help you better manage and reduce your inventory investment. We provide just-in-time delivery, Kanban, guaranteed inventory, in-plant store, READY!℠ Deployment Services and Rapid Fire inventory control.

Engineering and technical expertise

Get access to world-class engineering and technical support. This includes wire and cable design engineering, application engineering and technical training and literature.

Financial services

- Buy backs
- Guaranteed inventory programs
- Consigned inventories (in-plant store)
- Inventory stock rotations
- Copper billing programs
- Consolidated invoicing
- Credit card ordering
- Cable audits

Anixter proudly distributes:

- 3M
- ADC
- Allied Telesis
- Alpha Wire
- Amphenol
- Andrew
- APC
- Appleton
- Axis Communications
- BCD Video
- Belden Hirshman
- Berk-Tek
- Bosch Security Systems
- Brady
- Coleman Cable
- CommScope
- Cooper B-Line
- Corning Cable Systems
- CPI
- Eaton/Cooper
- FCI-Burndy
- Firetide
- Flir
- Fluke Networks
- G eneral Cable
- Greenlee
- GS Metals/Flextray
- Hammond
- Harbour Industries
- Hoffman
- Honeywell
- Insultab
- Jola
- Lake Electric
- Lapp Canada
- Legrand
- Marine Tech
- Milestone
- Monroe CCI
- Nexans
- Panduit
- Pelco
- Prysmian/Draka
- Radix
- Rockbestos
- Service Wire
- Shawflex
- Siemens
- Sony
- Stran Technologies
- Superior Essex
- Surprenant
- TE Connectivity
- Thermax/CDT
- Thermo Electric
- Therm-O-Link/Vulkor
- Transition Networks
- Wago

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ANIXTER

Full product portfolio for all your needs

At Anixter, we offer the broadest and most complete inventory of commercial, military and fiber optic cabling products in the industry.

Marine Wire & Cable

- Power, control and instrumentation cables
- Fire resistant cables
- Ship-to-shore and portable power cables
- Communications cables
- Electronics cables
- MIL-spec cables
- Fiber optic cables
- Crane and festoon

Marine Accessories

- Lugs/glands
- Enclosures
- Cable tray
- Switches
- Terminal blocks
- Security cameras
- Access control
- Hazardous location lighting
- Flame retardant vessel protection

MPRX/MPRXCX – Power Shipboard Cables (LV & MV)

- LSZH cable constructions
- Fire resistant constructions
- Lloyds approved constructions
- DNV approved constructions
- ABS approved constructions
- VFD cables
- IEC approved constructions

TCX® - Control and Instrumentation

- LSZH cable constructions
- Fire resistant constructions
- Lloyds approved constructions
- DNV approved constructions
- ABS approved constructions
- Multiconductor and multipair constructions (shielded and unshielded)

Ship-To-Shore and Portable Power Cables

- Types SOOW/SO, SJO, SJ.SJT, ST, STO, shielded SO
- Types W, G-GC, SHD-GC,MPF-GC
- DLO
- Welding cables
- Prysmian crane and festoon cables
- Jumper cables 5 to 15kV
- Shore power cables, connectors and custom assemblies

Electronic and Communication Cables

- LSZH cable constructions
- Fire resistant constructions
- Lloyds approved constructions
- DNV approved constructions
- ABS approved constructions
- IEC approved constructions
- Multiconductor and multipair constructions (shielded and unshielded)
- Coaxial cables
- CAT 6 and CAT 6a cables
- CAT 5e, CAT 6 and CAT 7 LSZH cables
- Audio and signal cables
- Ethernet cables

Mil-Spec Cables

- MIL-DTL-24643 low smoke
- MIL-DTL-24640 lightweight low smoke
- MIL-C-17 coaxial cables
- MIL-PRF-85045 fiber optic cables
- M16878 and other hook-up wires
- LSZH Ethernet cables (CAT 5e) Fiber Optic Cables
- ABS approved fiber optic cables
- MIL-PRF-85045 fiber optic cables
- MIL-PRF-49291 blown fiber
- M85045 military fiber optic cables
- Military fiber jumpers

Connectors, Tools and Other Accessories

- Cable entry seals
- Enclosures: NEMA, steel and stainless steel
- Ethernet cable terminations
- Terminal blocks
- DIN-rail
- Termination tools
- Test equipment
- Cable glands
- Cable marking products
- Terminal tubes
- Compression lugs
- Cable ties
- Cord grips: nylon and aluminum
- Cable tray, hangers, strut (ABS approved)
- Fiber optic connectors
- Shore power connectors
- Hazardous environment lighting

Security Solutions

- Video surveillance
- Access control
- Security consoles
- Sound and paging systems
- Fire and intrusion detection products
- Low-voltage and fiber cabling
- Door locking hardware
- Storage and servers
- Accessories

Flame-Retardant Vessel Protection Materials

- Floor, deck and wall protection
- Welding blankets
- Light fixture protection boxes
- Fire-retardant bubble wrap

Value Add Services (Product & Services Enhancement)

- Vendor Managed Inventory (VMI)
- Cable trees
- Twisting, dyeing, splicing
- Cut to length based on project bill of materials (BOM)
- Cable assemblies
- 24-hour emergency services
- Cable tagging, printing, customer labels
- Pre-assembly and kitting

OUR GOALS FOR EVERY PROJECT

Save time, reduce costs, increase efficiency and mitigate risk.

SOURCING

INVENTORY MANAGEMENT

PRODUCT ENHANCEMENT AND PACKAGING

GLOBAL LOGISTICS

E-COMMERCE

Learn more at **anixter.com/services**

Commercial Marine Cables–IEEE 45/IEC 60092-350

2

Section 2 Commercial Marine Cables–IEEE45/IEC 60092-350

All Anixter Commercial Marine Cables-
IEEE 45/1580 and IEC 60092-350 have LLOYDS, ABS and DNV Class Approvals

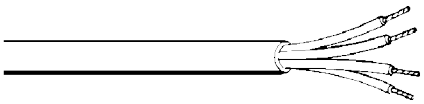
Cables are manufactured according to the following standards:

- IEC 60228
- IEC 60092-350
- IEC 60092-353
- IEC 60332-1
- IEC 60332-3-22 CAT A
- IEC 60754-1&2
- IEC 61034-1&2
- IEEE 45
- IEEE 1580
- IEEE 1202
- AS/NZS 1125
- AS/NZS 1660.5.1
- AS/NZS 1660.5.2
- AS/NZS 1660.5.3
- AS/NZS 1660.5.6

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: BV

Power and Control, Multiconductor
0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
3. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
4. CORE IDENTIFICATION: 1 Core: black
   2 Cores: black, white
   3 Cores: black, white, red
   4 Cores: black, white, red, green
   5 Cores: black, white, red, green, orange
   >5C: black numbers on white insulation
5. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour black

APPLICATIONS

Flexible power and control cables suitable for all shipboard and marine applications. Where mechanical or EMC protection is required see DV Series. Where circuit integrity under fire conductions is required see RR series. Max conductor temperature: 110°C

DV 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Insulation (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
BVA-1001C	1c 10	0.18	0.280	54	60
BVA-0801C	1c 8	0.24	0.345	68	91
BVA-0601C	1c 6	0.28	0.385	88	129
BVA-0401C	1c 4	0.33	0.435	118	184
BVA-0201C	1c 2	0.39	0.495	156	269
BVA-0101C	1c 1	0.45	0.585	180	385
BVA-1011C	1c 1/0	0.49	0.625	207	463
BVA-2021C	1c 2/0	0.54	0.675	240	562
BVA-3021C	1c 3/0	0.59	0.725	278	644
BVA-4041C	1c 4/0	0.67	0.800	324	784
BVA-2621C	1c 262	0.76	0.935	378	1019
BVA-3131C	1c 313	0.79	0.970	423	1196
BVA-3731C	1c 373	0.85	1.025	474	1393
BVA-4441C	1c 444	0.92	1.105	546	1601
BVA-5351C	1c 535	1.02	1.205	579	1951
BVA-6461C	1c 646	1.10	1.280	671	2288
BVA-7771C	1c 777	1.11	1.380	755	2762
BVA-11111C	1c 1111	1.45	1.630	942	3883
BVA-1602C	2c 16	0.12	0.350	18	66
BVA-1402C	2c 14	0.14	0.380	27	84
BVA-1202C	2c 12	0.16	0.415	36	109
BVA-1002C	2c 10	0.18	0.465	46	149
BVA-0802C	2c 8	0.24	0.630	60	256
BVA-0602C	2c 6	0.28	0.710	79	356
BVA-0402C	2c 4	0.33	0.810	101	499
BVA-0202C	2c 2	0.39	0.975	137	759

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: BV (CONT.)

DV 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Insulation (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
BVA-1603C	3c 16	0.12	0.370	15	77
BVA-1403C	3c 14	0.14	0.400	24	202
BVA-1203C	3c 12	0.16	0.440	29	244
BVA-1003C	3c 10	0.18	0.495	38	285
BVA-0803C	3c 8	0.24	0.665	48	315
BVA-0603C	3c 6	0.28	0.750	65	446
BVA-0403C	3c 4	0.33	0.905	83	673
BVA-0203C	3c 2	0.39	1.030	111	973
BVA-0103C	3c 1	0.45	1.155	131	1218
BVA-1013C	3c 1/0	0.49	1.240	150	1479
BVA-2023C	3c 2/0	0.54	1.345	173	1808
BVA-3033C	3c 3/0	0.59	1.455	201	2210
BVA-4043C	3c 4/0	0.67	1.615	232	2709
BVA-2623C	3c 262	0.76	1.880	273	3521
BVA-3133C	3c 313	0.79	1.955	298	4102
BVA-3733C	3c 373	0.85	2.070	332	4773
BVA-1604C	4c 16	0.12	0.400	15	92
BVA-1404C	4c 14	0.14	0.435	24	122
BVA-1204C	4c 12	0.16	0.480	29	163
BVA-1004C	4c 10	0.18	0.575	38	246
BVA-0804C	4c 8	0.24	0.725	48	389
BVA-0604C	4c 6	0.28	0.820	65	556
BVA-0404C	4c 4	0.33	0.985	83	839
BVA-0204C	4c 2	0.39	1.130	111	1225
BVA-0104C	4c 1	0.45	1.265	131	1537
BVA-1014C	4c 1/0	0.49	1.360	150	1872
BVA-2024C	4c 2/0	0.54	1.480	173	2294
BVA-3034C	4c 3/0	0.59	1.600	201	2813
BVA-4044C	4c 4/0	0.67	1.850	232	3565
BVA-2624C	4c 262	0.76	2.065	273	4470
BVA-1605C	5c 16	0.12	0.435	12	109
BVA-1405C	5c 14	0.14	0.480	19	145
BVA-1205C	5c 12	0.16	0.560	23	212
BVA-1005C	5c 10	0.18	0.630	30	295
BVA-0805C	5c 8	0.24	0.800	38	468
BVA-0605C	5c 6	0.28	0.950	52	712
BVA-0405C	5c 4	0.33	1.085	66	1017
BVA-0205C	5c 2	0.39	1.250	89	1491
BVA-0105C	5c 1	0.45	1.400	105	1873

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: BV (CONT.)

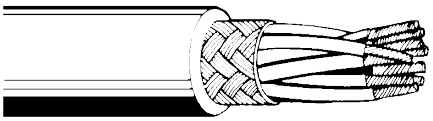
DV 0.6/1KV – CONTROL (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Insulation (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
BVA-1607C	7c 16	0.12	0.470	11	124
BVA-1612C	12c 16	0.12	0.645	8	226
BVA-1619C	19c 16	0.12	0.750	8	313
BVA-1624C	24c 16	0.12	0.915	7	464
BVA-1627C	27c 16	0.12	0.935	7	478
BVA-1633C	33c 16	0.12	1.000	6	557
BVA-1637C	37c 16	0.12	1.035	6	601
BVA-1407C	7c 14	0.14	0.520	17	168
BVA-1412C	12c 14	0.14	0.710	12	304
BVA-1419C	19c 14	0.14	0.830	12	430
BVA-1424C	24c 14	0.14	1.010	11	625
BVA-1427C	27c 14	0.14	1.030	11	650
BVA-1433C	33c 14	0.14	1.110	10	763
BVA-1437C	37c 14	0.14	1.150	10	827

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: DV

Power and Control, Multiconductor
Braided Shield, 0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
3. SEPARATOR: Polypropylene or polyester tape
4. ARMOR: Tinned copper wire (90%) or galvanized steel wire (90%)
5. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
6. CORE IDENTIFICATION:
   1 Core: black
   2 Cores: black, white
   3 Cores: black, white, red
   4 Cores: black, white, red, green
   5 Cores: black, white, red, green, orange
   >5C: black numbers on white insulation
7. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour black

APPLICATIONS

Flexible power and control cables suitable for all shipboard and marine applications where mechanical or EMC protection is required. Where circuit integrity under fire conditions is required see BH series. Max conductor temperature: 110°C

DV 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Braid (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
DVA-1001C	1c 10	0.24	0.350	54	94
DVA-0801C	1c 8	0.31	0.410	68	133
DVA-0601C	1c 6	0.35	0.450	88	177
DVA-0401C	1c 4	0.40	0.500	118	238
DVA-0201C	1c 2	0.46	0.595	156	350
DVA-0101C	1c 1	0.51	0.650	180	426
DVA-1011C	1c 1/0	0.55	0.690	207	508
DVA-2021C	1c 2/0	0.60	0.740	240	610
DVA-3031C	1c 3/0	0.65	0.790	278	734
DVA-4041C	1c 4/0	0.73	0.910	324	922
DVA-2621C	1c 262	0.82	1.100	378	1135
DVA-3131C	1c 313	0.85	1.035	423	1316
DVA-3731C	1c 373	0.91	1.090	474	1521
DVA-4441C	1c 444	0.99	1.170	546	1739
DVA-5351C	1c 535	1.08	1.270	579	2102
DVA-6461C	1c 646	1.16	1.345	671	2449
DVA-7771C	1c 777	1.26	1.445	755	2937
DVA-11111C	1c 1111	1.51	1.760	942	4200
DVA-1602C	2c 16	0.30	0.410	18	103
DVA-1402C	2c 14	0.34	0.440	27	124
DVA-1202C	2c 12	0.37	0.480	36	152
DVA-1002C	2c 10	0.42	0.560	46	212
DVA-0802C	2c 8	0.55	0.690	60	311
DVA-0602C	2c 6	0.63	0.770	79	413
DVA-0402C	2c 4	0.73	0.915	101	595
DVA-0202C	2c 2	0.85	1.035	137	818

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: DV (CONT.)

DV 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Braid (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
DVA-1603C	3c 16	0.32	0.430	15	115
DVA-1403C	3c 14	0.36	0.465	24	141
DVA-1203C	3c 12	0.40	0.500	29	176
DVA-1003C	3c 10	0.45	0.590	38	249
DVA-0803C	3c 8	0.59	0.725	48	370
DVA-0603C	3c 6	0.67	0.810	65	503
DVA-0403C	3c 4	0.78	0.965	83	733
DVA-0203C	3c 2	0.91	1.095	111	1031
DVA-0103C	3c 1	1.03	1.215	131	1271
DVA-1013C	3c 1/0	1.12	1.300	150	1526
DVA-2023C	3c 2/0	1.22	1.410	173	1847
DVA-3033C	3c 3/0	1.33	1.515	201	2238
DVA-4043C	3c 4/0	1.49	1.675	232	2716
DVA-2623C	3c 262	1.69	1.940	273	3500
DVA-3133C	3c 313	1.76	2.015	298	4068
DVA-3733C	3c 373	1.88	2.135	332	4714
DVA-1604C	4c 16	0.35	0.460	15	133
DVA-1404C	4c 14	0.39	0.500	24	165
DVA-1204C	4c 12	0.44	0.575	29	227
DVA-1004C	4c 10	0.50	0.635	38	298
DVA-0804C	4c 8	0.65	0.785	48	448
DVA-0604C	4c 6	0.74	0.930	65	655
DVA-0404C	4c 4	0.86	1.050	83	903
DVA-0204C	4c 2	1.01	1.190	111	1286
DVA-0104C	4c 1	1.14	1.325	131	1592
DVA-1014C	4c 1/0	1.24	1.425	150	1921
DVA-2024C	4c 2/0	1.36	1.545	173	2333
DVA-3034C	4c 3/0	1.48	1.665	201	2840
DVA-4044C	4c 4/0	1.66	1.910	232	3572
DVA-2624C	4c 262	1.88	2.130	273	4441
DVA-1605C	5c 16	0.39	0.495	12	155
DVA-1405C	5c 14	0.43	0.575	19	211
DVA-1205C	5c 12	0.48	0.620	23	267
DVA-1005C	5c 10	0.55	0.690	30	354
DVA-0805C	5c 8	0.72	0.905	38	573
DVA-0605C	5c 6	0.83	1.015	52	787
DVA-0405C	5c 4	0.96	1.150	66	1094
DVA-0205C	5c 2	1.13	1.310	89	1568
DVA-0105C	5c 1	1.28	1.465	105	1946

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: DV (CONT.)

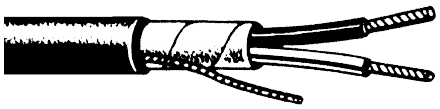
DV 0.6/1KV – CONTROL (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Braid (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
DVA-1607C	7c 16	0.43	0.565	11	198
DVA-1612C	12c 16	0.57	0.705	8	304
DVA-1619C	19c 16	0.67	0.810	8	403
DVA-1624C	24c 16	0.79	0.975	7	575
DVA-1627C	27c 16	0.81	0.995	7	590
DVA-1633C	33c 16	0.88	1.060	6	677
DVA-1637C	37c 16	0.91	1.100	6	725
DVA-1407C	7c 14	0.47	0.615	17	249
DVA-1412C	12c 14	0.63	0.775	12	391
DVA-1419C	19c 14	0.75	0.935	12	568
DVA-1424C	24c 14	0.89	1.075	11	749
DVA-1427C	27c 14	0.91	1.095	11	775
DVA-1433C	33c 14	0.98	1.170	10	897
DVA-1437C	37c 14	1.03	1.210	10	966

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: RC

Instrumentation, Multipairs
Overall Collective Screen, 150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
3. SCREEN: Aluminum laminate tape with tinned annealed copper drain wire
4. SEPARATOR: Polypropylene or polyester tape
5. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
6. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
7. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour black

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications. Where mechanical or EMC protection is required see RS series. Where circuit integrity under fire conditions is required see ES series. Max conductor temperature: 110°C

RC 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
RCA-1801P	1p 18	0.340	56
RCA-1802P	2p 18	0.380	75
RCA-1804P	4p 18	0.600	155
RCA-1808P	8p 18	0.775	255
RCA-1810P	10p 18	0.950	375
RCA-1812P	12p 18	0.975	395
RCA-1816P	16p 18	1.080	494
RCA-1820P	20p 18	1.195	604
RCA-1824P	24p 18	1.325	717
RCA-1827P	27p 18	1.355	755
RCA-1836P	36p 18	1.515	965
RCA-1601P	1p 16	0.360	69
RCA-1602P	2p 16	0.410	93
RCA-1604P	4p 16	0.645	192
RCA-1608P	8p 16	0.880	359
RCA-1610P	10p 16	1.025	468
RCA-1612P	12p 16	1.055	498
RCA-1616P	16p 16	1.170	628
RCA-1620P	20p 16	1.295	772
RCA-1624P	24p 16	1.440	918
RCA-1627P	27p 16	1.470	973
RCA-1636P	36p 16	1.645	1252
RCA-1401P	1p 14	0.390	90
RCA-1402P	2p 14	0.445	125
RCA-1404P	4p 14	0.710	254
RCA-1408P	8p 14	0.970	477
RCA-1410P	10p 14	1.130	621
RCA-1412P	12p 14	1.165	668
RCA-1416P	16p 14	1.295	851
RCA-1420P	20p 14	1.440	1050
RCA-1424P	24p 14	1.600	1252
RCA-1427P	27p 14	1.635	1336
RCA-1436P	36p 14	1.905	1847

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: RC (CONT.)

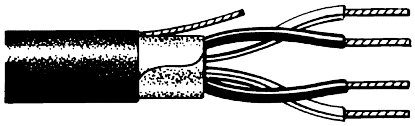
RC 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
RCA-1801T	1t 18	0.355	63
RCA-1803T	3t 18	0.625	177
RCA-1804T	4t 18	0.680	204
RCA-1807T	7t 18	0.815	306
RCA-1601T	1t 16	0.380	77
RCA-1603T	3t 16	0.675	220
RCA-1604T	4t 16	0.735	257
RCA-1607T	7t 16	0.925	429
RCA-1401T	1t 14	0.415	103
RCA-1403T	3t 14	0.745	292
RCA-1404T	4t 14	0.810	345
RCA-1407T	7t 14	1.020	577

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: RS

Instrumentation, Multipairs, Braided Shield Overall Collective Screen, 150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
3. SCREEN: Aluminum laminate tape with tinned annealed copper drain wire
4. SEPARATOR: Polypropylene or polyester tape
5. ARMOR: Tinned copper wire (90%) or galvanized steel wire (90%)
6. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
7. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
8. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour black

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications where mechanical or EMC protection is required. Where circuit integrity under fire conditions is required see FJ series. Max conductor temperature: 110°C

RS 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
RSA-1801P	1p 18	0.395	93
RSA-1802P	2p 18	0.440	122
RSA-1804P	4p 18	0.660	229
RSA-1808P	8p 18	0.835	353
RSA-1810P	10p 18	1.010	493
RSA-1812P	12p 18	1.035	517
RSA-1816P	16p 18	1.140	630
RSA-1820P	20p 18	1.255	756
RSA-1824P	24p 18	1.385	887
RSA-1827P	27p 18	1.415	929
RSA-1836P	36p 18	1.575	1160
RSA-1601P	1p 16	0.420	107
RSA-1602P	2p 16	0.470	144
RSA-1604P	4p 16	0.705	272
RSA-1608P	8p 16	0.940	468
RSA-1610P	10p 16	1.085	596
RSA-1612P	12p 16	1.115	630
RSA-1616P	16p 16	1.230	777
RSA-1620P	20p 16	1.355	937
RSA-1624P	24p 16	1.495	1103
RSA-1627P	27p 16	1.530	1163
RSA-1636P	36p 16	1.770	1574
RSA-1401P	1p 14	0.450	131
RSA-1402P	2p 14	0.505	181
RSA-1404P	4p 14	0.770	344
RSA-1408P	8p 14	1.030	598
RSA-1410P	10p 14	1.190	765
RSA-1412P	12p 14	1.225	816
RSA-1416P	16p 14	1.355	1017
RSA-1420P	20p 14	1.500	1235
RSA-1424P	24p 14	1.660	1460
RSA-1427P	27p 14	1.765	1656
RSA-1436P	36p 14	1.960	2090

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: RS (CONT.)

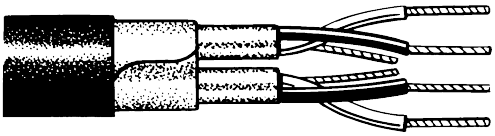
RS 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
RSA-1801T	1t 18	0.415	106
RSA-1803T	3t 18	0.685	257
RSA-1804T	4t 18	0.740	290
RSA-1807T	7t 18	0.920	447
RSA-1601T	1t 16	0.440	124
RSA-1603T	3t 16	0.735	37
RSA-1604T	4t 16	0.795	350
RSA-1607T	7t 16	0.985	544
RSA-1401T	1t 14	0.470	154
RSA-1403T	3t 14	0.800	389
RSA-1404T	4t 14	0.915	485
RSA-1407T	7t 14	1.080	705

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: EW

Instrumentation, Multipairs
Individual and Overall Collective Screen 150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
3. SCREEN: Individual and collective aluminum laminate tape with tinned annealed copper drain wire
4. SEPARATOR: Polypropylene or polyester tape
5. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
6. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
7. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour black

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications. Where mechanical or EMC protection is required see EG series. Where circuit integrity under fire conductions is required see FC series. Max conductor temperature: 110°C

EW 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
EWA-1801P	1p 18	0.340	56
EWA-1802P	2p 18	0.510	114
EWA-1804P	4p 18	0.655	182
EWA-1808P	8p 18	0.805	395
EWA-1810P	10p 18	0.958	428
EWA-1812P	12p 18	1.015	455
EWA-1816P	16p 18	1.125	573
EWA-1820P	20p 18	1.245	702
EWA-1824P	24p 18	1.380	835
EWA-1827P	27p 18	1.410	884
EWA-1836P	36p 18	1.575	1135
EWA-1601P	1p 16	0.360	69
EWA-1602P	2p 16	0.580	159
EWA-1604P	4p 16	0.705	227
EWA-1608P	8p 16	0.910	415
EWA-1610P	10p 16	1.060	539
EWA-1612P	12p 16	1.090	579
EWA-1616P	16p 16	1.210	736
EWA-1620P	20p 16	1.345	906
EWA-1624P	24p 16	1.490	1080
EWA-1627P	27p 16	1.525	1151
EWA-1636P	36p 16	1.775	1597
EWA-1401P	1p 14	0.390	90
EWA-1402P	2p 14	0.635	208
EWA-1404P	4p 14	0.775	308
EWA-1408P	8p 14	1.000	567
EWA-1410P	10p 14	1.170	737
EWA-1412P	12p 14	1.205	802
EWA-1416P	16p 14	1.340	1029
EWA-1420P	20p 14	1.485	1272
EWA-1424P	24p 14	1.655	1520
EWA-1427P	27p 14	1.760	1740
EWA-1436P	36p 14	1.965	2245

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: EW (CONT.)

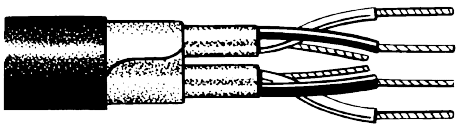
EW 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
EWA-1801T	1t 18	0.355	63
EWA-1803T	3t 18	0.645	195
EWA-1804T	4t 18	0.705	226
EWA-1807T	7t 18	0.885	378
EWA-1601T	1t 16	0.380	77
EWA-1603T	3t 16	0.695	243
EWA-1604T	4t 16	0.755	286
EWA-1607T	7t 16	0.955	480
EWA-1401T	1t 14	0.415	103
EWA-1403T	3t 14	0.760	328
EWA-1404T	4t 14	0.835	392
EWA-1407T	7t 14	1.050	658

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: EG

Instrumentation, Multipairs, Braided Shield
Individual and Overall Collective Screen 150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
3. SCREEN: Individual and collective aluminum laminate tape with tinned annealed copper drain wire
4. SEPARATOR: Polypropylene or polyester tape
5. ARMOR: tinned copper wire (90%) or galvanized steel wire (90%)
6. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
7. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour black

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications where mechanical or EMC protection is required. Where circuit integrity under fire conditions is required see FL series. Max conductor temperature: 110°C

EG 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
EGA-1801P	1p 18	0.395	93
EGA-1802P	2p 18	0.605	202
EGA-1804P	4p 18	0.715	264
EGA-1808P	8p 18	0.910	434
EGA-1810P	10p 18	1.045	551
EGA-1812P	12p 18	1.075	582
EGA-1816P	16p 18	1.180	715
EGA-1820P	20p 18	1.305	861
EGA-1824P	24p 18	1.440	1012
EGA-1827P	27p 18	1.470	1065
EGA-1836P	36p 18	1.635	1340
EGA-1601P	1p 16	0.420	107
EGA-1602P	2p 16	0.640	235
EGA-1604P	4p 16	0.765	315
EGA-1608P	8p 16	0.970	527
EGA-1610P	10p 16	1.120	672
EGA-1612P	12p 16	1.150	717
EGA-1616P	16p 16	1.270	890
EGA-1620P	20p 16	1.400	1078
EGA-1624P	24p 16	1.550	1272
EGA-1627P	27p 16	1.585	1348
EGA-1636P	36p 16	1.835	1823
EGA-1401P	1p 14	0.450	131
EGA-1402P	2p 14	0.695	293
EGA-1404P	4p 14	0.85	406
EGA-1408P	8p 14	1.060	693
EGA-1410P	10p 14	1.230	885
EGA-1412P	12p 14	1.265	956
EGA-1416P	16p 14	1.400	1201
EGA-1420P	20p 14	1.545	1464
EGA-1424P	24p 14	1.780	1844
EGA-1427P	27p 14	1.820	1964
EGA-1436P	36p 14	2.025	2497

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: EG (CONT.)

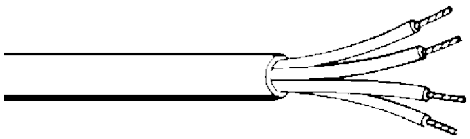
EG 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
EGA-1801T	1t 18	0.415	106
EGA-1803T	3t 18	0.705	278
EGA-1804T	4t 18	0.765	314
EGA-1807T	7t 18	0.945	488
EGA-1601T	1t 16	0.440	124
EGA-1603T	3t 16	0.755	333
EGA-1604T	4t 16	0.815	382
EGA-1607T	7t 16	1.015	598
EGA-1401T	1t 14	0.470	154
EGA-1403T	3t 14	0.820	428
EGA-1404T	4t 14	0.940	536
EGA-1407T	7t 14	1.110	790

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: RR

Power and Control, Multiconductor
Fire-Resistant, 0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. FLAME BARRIER: Fire-resistant, halogen free, glass mica tape
3. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
4. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
5. CORE IDENTIFICATION: 1 Core: black
   2 Cores: black, white
   3 Cores: black, white, red
   4 Cores: black, white, red, green
   5 Cores: black, white, red, green, orange
   >5C: black numbers on white insulation
6. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour red

APPLICATIONS

Flexible power and control cables suitable for all shipboard and marine applications where circuit integrity is required under fire conditions. Where mechanical or EMC protection is required see BH series. Max conductor temperature: 110°C

RR 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Insulation (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
RRA-1001C	1c 10	1c 10	0.305	54	67
RRA-0801C	1c 8	1c 8	0.340	68	91
RRA-0601C	1c 6	1c 6	0.410	88	138
RRA-0401C	1c 4	1c 4	0.460	118	193
RRA-0201C	1c 2	1c 2	0.520	156	280
RRA-0101C	1c 1	1c 1	0.610	180	366
RRA-1011C	1c 1/0	1c 1/0	0.650	207	443
RRA-2021C	1c 2/0	1c 2/0	0.700	240	538
RRA-3031C	1c 3/0	1c 3/0	0.750	278	656
RRA-4041C	1c 4/0	1c 4/0	0.825	324	797
RRA-2621C	1c 262	1c 262	0.960	378	1033
RRA-3131C	1c 313	1c 313	0.995	423	1210
RRA-3731C	1c 373	1c 373	1.050	474	1406
RRA-4441C	1c 444	1c 444	1.130	546	1613
RRA-5351C	1c 535	1c 535	1.225	579	1962
RRA-1602C	2c 16	2c 16	0.395	18	83
RRA-1402C	2c 14	2c 14	0.430	27	103
RRA-1202C	2c 12	2c 12	0.465	36	129
RRA-1002C	2c 10	2c 10	0.515	46	171
RRA-0802C	2c 8	2c 8	0.615	60	253
RRA-0602C	2c 6	2c 6	0.755	79	388
RRA-0402C	2c 4	2c 4	0.900	101	572
RRA-0202C	2c 2	2c 2	1.020	137	802

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: RR (CONT.

RR 0.6/1KV – OWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Insulation (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
RRA-1603C	3c 16	0.15	0.420	15	96
RRA-1403C	3c 14	0.16	0.455	24	121
RRA-1203C	3c 12	0.18	0.490	29	156
RRA-1003C	3c 10	0.21	0.580	38	228
RRA-0803C	3c 8	0.24	0.650	48	313
RRA-0603C	3c 6	0.31	0.800	65	483
RRA-0403C	3c 4	0.36	0.955	83	717
RRA-0203C	3c 2	0.42	1.085	111	1021
RRA-0103C	3c 1	0.48	1.205	131	1271
RRA-1013C	3c 1/0	0.52	1.290	150	1534
RRA-2023C	3c 2/0	0.57	1.400	173	1866
RRA-3033C	3c 3/0	0.62	1.505	201	2270
RRA-4043C	3c 4/0	0.69	1.665	232	2772
RRA-2623C	3c 262	0.78	1.930	273	3590
RRA-3133C	3c 313	0.82	2.005	298	4172
RRA-3733C	3c 373	0.87	2.125	332	4843
RRA-1604C	4c 16	0.15	0.455	15	115
RRA-1404C	4c 14	0.16	0.495	24	147
RRA-1204C	4c 12	0.18	0.570	29	208
RRA-1004C	4c 10	0.21	0630	38	279
RRA-0804C	4c 8	0.24	0.710	48	387
RRA-0604C	4c 6	0.31	0.925	65	638
RRA-0404C	4c 4	0.36	1.045	83	892
RRA-0204C	4c 2	0.42	1.190	111	1283
RRA-0104C	4c 1	0.48	1.325	131	1600
RRA-1014C	4c 1/0	0.52	1.420	150	1938
RRA-2024C	4c 2/0	0.57	1.540	173	2364
RRA-3034C	4c 3/0	0.62	1660	201	2885
RRA-4044C	4c 4/0	0.69	1.905	232	3643
RRA-2624C	4c 262	0.78	2.215	273	4551
RRA-1605C	5c 16	0.15	0.500	12	136
RRA-1405C	5c 14	0.16	0.575	19	192
RRA-1205C	5c 12	0.18	0.625	23	247
RRA-1005C	5c 10	0.21	0.695	30	334
RRA-0805C	5c 8	0.24	0.780	38	467
RRA-0605C	5c 6	0.31	1.015	52	769
RRA-0405C	5c 4	0.36	1.150	66	1080
RRA-0205C	5c 2	0.42	1.315	89	1561
RRA-0105C	5c 1	0.48	1.465	105	1949

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: RR (CONT.)

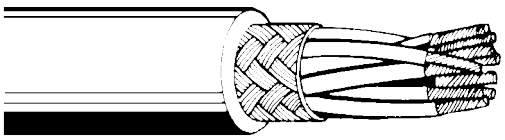
RR 0.6/1KV – CONTROL (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Insulation (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
RRA-1607C	7c 16	0.15	0.575	11	170
RRA-1612C	12c 16	0.15	0.745	8	280
RRA-1619C	19c 16	0.15	0.915	8	423
RRA-1624C	24c 16	0.15	1.060	7	578
RRA-1627C	27c 16	0.15	1.080	7	591
RRA-1633C	33c 16	0.15	1.160	6	690
RRA-1637C	37c 16	0.15	1.205	6	743
RRA-1407C	7c 14	0.16	0.625	17	218
RRA-1412C	12c 14	0.16	0.810	12	364
RRA-1419C	19c 14	0.16	0.995	12	552
RRA-1424C	24c 14	0.16	1.155	11	752
RRA-1427C	27c 14	0.16	1.180	11	776
RRA-1433C	33c 14	0.16	1.270	10	911
RRA-1437C	37c 14	0.16	1.315	10	985

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: BH

Power and Control, Braided Shield, Multiconductor,
Fire-Resistant
0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. FLAME BARRIER: Fire-resistant, halogen free, glass mica tape
3. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
4. SEPARATOR: Polypropylene or Polyester Tap
5. BRAID: Tinned copper wire (90%) or galvanized steel wire (90%)
6. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
7. CORE IDENTIFICATION: 1 Core: black
   2 Cores: black, white
   3 Cores: black, white, red
   4 Cores: black, white, red, green
   5 Cores: black, white, red, green, orange
   >5C: black numbers on white insulation
8. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour red

APPLICATIONS

Flexible power and control cables suitable for all shipboard and marine applications where circuit integrity is required under fire conditions and mechanical or EMC protection is also required. Max conductor temperature: 110°C

BH 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Bedding (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
BHA-1001C	1c 10	0.22	0.370	54	104
BHA-0801C	1c 8	0.25	0.405	68	133
BHA-0601C	1c 6	0.32	0.475	88	189
BHA-0401C	1c 4	0.37	0.525	118	251
BHA-0201C	1c 2	0.43	0.620	156	364
BHA-0101C	1c 1	0.49	0.675	180	442
BHA-1011C	1c 1/0	0.53	0.715	207	523
BHA-2021C	1c 2/0	0.58	0.756	240	626
BHA-3031C	1c 3/0	0.63	0.815	278	750
BHA-4041C	1c 4/0	0.70	0.935	324	939
BHA-2621C	1c 262	0.80	1.025	378	1152
BHA-3131C	1c 313	0.83	1.060	423	1333
BHA-3731C	1c 373	0.89	1.115	474	1537
BHA-4441C	1c 444	0.96	1.195	546	1754
BHA-5351C	1c 535	1.06	1.290	579	2116
BHA-1602C	2c 16	0.31	0.460	18	124
BHA-1402C	2c 14	0.34	0.490	27	146
BHA-1202C	2c 12	0.37	0.560	36	192
BHA-1002C	2c 10	0.42	0.610	46	238
BHA-0802C	2c 8	0.49	0.675	60	306
BHA-0602C	2c 6	0.63	0.815	79	445
BHA-0402C	2c 4	0.73	0.960	101	632
BHA-0202C	2c 2	0.85	1.080	137	859

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: BH (CONT.)

BH 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Bedding (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
BHA-1603C	3c 16	0.33	0.480	15	138
BHA-1403C	3c 14	0.36	0.515	24	165
BHA-1203C	3c 12	0.40	0.585	29	220
BHA-1003C	3c 10	0.46	0.640	38	279
BHA-0803C	3c 8	0.52	0.710	48	367
BHA-0603C	3c 6	0.68	0.910	65	577
BHA-0403C	3c 4	0.79	1.015	83	776
BHA-0203C	3c 2	0.91	1.145	111	1077
BHA-0103C	3c 1	1.04	1.265	131	1320
BHA-1013C	3c 1/0	1.12	1.350	150	1577
BHA-2023C	3c 2/0	1.23	1.460	173	1899
BHA-3033C	3c 3/0	1.34	1.565	201	2291
BHA-4043C	3c 4/0	1.50	1.795	232	2881
BHA-2623C	3c 262	1.69	1.990	273	3559
BHA-3133C	3c 313	1.77	2.065	298	4126
BHA-3733C	3c 373	1.89	2.185	332	4771
BHA-1604C	4c 16	0.37	0.515	15	160
BHA-1404C	4c 14	0.40	0.590	24	212
BHA-1204C	4c 12	0.45	0.630	29	259
BHA-1004C	4c 10	0.51	0.690	38	334
BHA-0804C	4c 8	0.58	0.770	48	445
BHA-0604C	4c 6	0.75	0.985	65	702
BHA-0404C	4c 4	0.87	1.105	83	955
BHA-0204C	4c 2	1.02	1.250	111	1342
BHA-0104C	4c 1	1.15	1.385	131	1651
BHA-1014C	4c 1/0	1.25	1.480	150	1982
BHA-2024C	4c 2/0	1.37	1.600	173	2397
BHA-3034C	4c 3/0	1.49	1.790	201	3014
BHA-4044C	4c 4/0	1.67	1.970	232	3641
BHA-2624C	4c 262	1.89	2.185	273	4511
BHA-1605C	5c 16	0.41	0.595	12	205
BHA-1405C	5c 14	0.45	0.635	19	248
BHA-1205C	5c 12	0.50	0.685	23	306
BHA-1005C	5c 10	0.57	0.755	30	397
BHA-0805C	5c 8	0.65	0.885	38	570
BHA-0605C	5c 6	0.85	1.080	52	844
BHA-0405C	5c 4	0.98	1.215	66	1157
BHA-0205C	5c 2	1.14	1.375	89	1636
BHA-0105C	5c 1	1.30	1.525	105	2019

IEEE 45/1580 AND IEC 60092-350 POWER AND CONTROL LSZH

Type: BH (CONT.)

BH 0.6/1KV – POWER (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Bedding (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
BHA-1001C	1c 10	0.22	0.370	54	104
BHA-0801C	1c 8	0.25	0.405	68	133
BHA-0601C	1c 6	0.32	0.475	88	189
BHA-0401C	1c 4	0.37	0.525	118	251
BHA-0201C	1c 2	0.43	0.620	156	364
BHA-0101C	1c 1	0.49	0.675	180	442
BHA-1011C	1c 1/0	0.53	0.715	207	523
BHA-2021C	1c 2/0	0.58	0.756	240	626
BHA-3031C	1c 3/0	0.63	0.815	278	750
BHA-4041C	1c 4/0	0.70	0.935	324	939
BHA-2621C	1c 262	0.80	1.025	378	1152
BHA-3131C	1c 313	0.83	1.060	423	1333
BHA-3731C	1c 373	0.89	1.115	474	1537
BHA-4441C	1c 444	0.96	1.195	546	1754
BHA-5351C	1c 535	1.06	1.290	579	2116
BHA-1602C	2c 16	0.31	0.460	18	124
BHA-1402C	2c 14	0.34	0.490	27	146
BHA-1202C	2c 12	0.37	0.560	36	192
BHA-1002C	2c 10	0.42	0.610	46	238
BHA-0802C	2c 8	0.49	0.675	60	306
BHA-0602C	2c 6	0.63	0.815	79	445
BHA-0402C	2c 4	0.73	0.960	101	632
BHA-0202C	2c 2	0.85	1.080	137	859

BH 0.6/1KV – CONTROL (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Bedding (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
BHA-1607C	7c 16	0.45	0.640	11	238
BHA-1612C	12c 16	0.62	0.805	8	370
BHA-1619C	19c 16	0.74	0.975	8	532
BHA-1624C	24c 16	0.89	1.120	7	708
BHA-1627C	27c 16	0.91	1.140	7	723
BHA-1633C	33c 16	0.99	1.225	6	831
BHA-1637C	37c 16	1.04	1.265	6	889
BHA-1407C	7c 14	0.50	0.685	17	292
BHA-1412C	12c 14	0.69	0.915	12	501
BHA-1419C	19c 14	0.82	1.055	12	670
BHA-1424C	24c 14	0.99	1.215	11	895
BHA-1427C	27c 14	1.01	1.240	11	920
BHA-1433C	33c 14	1.10	1.330	10	1066
BHA-1437C	37c 14	1.15	1.380	10	1146

IEEE 45/1580 & IEC 60092-350 SWITCHBOARD, HOOK UP & GROUNDING WIRE LSZH

Type: UP

Switchboard, Hook UP & Grounding Wire
Single conductor, 0.6/1KV

SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEC 60228 & AS/NZS 1125 as standard. Available in plain or tinned copper.
2. INSULATION: 'Easy Strip' LSX to IEEE 1580 and LSZH/XLPO HF-90 to IEC 60092-351
3. OVERALL JACKET: TPO & SHF 1 Thermoplastic
4. JACKET ColourS AVAILABLE: White, Red, Black, Blue, Orange, Grey, Purple, Pink, Yellow/Green

APPLICATIONS

Flexible single insulated conductor cables suitable for shipboard and marine applications. Max conductor temperature: 110°C.

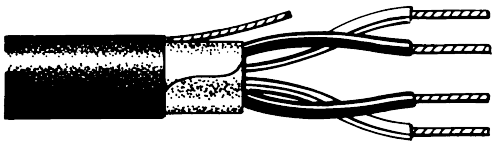
UP 0.6/1KV – SWITCHBOARD / HOOK UP & GROUNDING (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
UPA-2001C	1c 20	0.10	11	6
UPA-1801C	1c 18	0.11	115	8
UPA-1601C	1c 16	0.12	21	12
UPA-1401C	1c 14	0.13	34	17
UPA-1201C	1c 12	0.16	43	25
UPA-1001C	1c 10	0.18	54	38
UPA-0801C	1c 8	0.24	68	63
UPA-0601C	1c 6	0.28	88	97
UPA-0401C	1c 4	0.33	118	147
UPA-0201C	1c 2	0.39	156	228
UPA-0101C	1c 1	0.45	180	290
UPA-1011C	1c 1/0	0.49	207	361
UPA-2021C	1c 2/0	0.54	240	450
UPA-3031C	1c 3/0	0.59	278	561
UPA-4041C	1c 4/0	0.67	324	693
UPA-2621C	1c 262	0.76	378	878
UPA-3131C	1c 313	0.79	423	1049
UPA-3731C	1c 373	0.85	474	1237
UPA-4441C	1c 444	0.92	546	1432
UPA-5351C	1c 535	1.02	579	1765
UPA-6461C	1c 646	1.10	671	2090
UPA-7771C	1c 777	1.20	755	2548
UPA-11111C	1c 1111	1.45	942	3627

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: ES

Instrumentation, Multipairs Overall Collective Screen, Flame Resistant, 150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. FLAME BARRIER: Fire-resistant, halogen free, glass mica tape
3. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
4. SCREEN: Aluminum laminate tape with tinned annealed copper drain wire
5. SEPARATOR: Polypropylene or polyester tape
6. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
7. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
8. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour red

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications where circuit integrity is required under fire conditions. Where mechanical or EMC protection is required see FJ series. Max conductor temperature: 110°C

ES 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx.Weight. (lbs / kft)
ESA-1801P	1p 18	0.385	70
ESA-1802P	2p 18	0.440	93
ESA-1804P	4p 18	0.700	195
ESA-1808P	8p 18	0.955	366
ESA-1810P	10p 18	1.110	482
ESA-1812P	12p 18	1.145	505
ESA-1816P	16p 18	1.270	636
ESA-1820P	20p 18	1.410	783
ESA-1824P	24p 18	1.570	932
ESA-1827P	27p 18	1.605	980
ESA-1836P	36p 18	1.865	1372
ESA-1601P	1p 16	0.410	83
ESA-1602P	2p 16	0.465	113
ESA-1604P	4p 16	0.745	236
ESA-1608P	8p 16	1.015	443
ESA-1610P	10p 16	1.185	584
ESA-1612P	12p 16	1.225	617
ESA-1616P	16p 16	1.360	782
ESA-1620P	20p 16	1.510	965
ESA-1624P	24p 16	1.750	1259
ESA-1627P	27p 16	1.785	1327
ESA-1636P	36p 16	2.000	1694
ESA-1401P	1p 14	0.440	106
ESA-1402P	2p 14	0.505	157
ESA-1404P	4p 14	0.810	302
ESA-1408P	8p 14	1.105	569
ESA-1410P	10p 14	1.295	749
ESA-1412P	12p 14	1.335	799
ESA-1416P	16p 14	1.490	1022
ESA-1420P	20p 14	1.655	1265
ESA-1424P	24p 14	1.915	1630
ESA-1427P	27p 14	1.955	1728
ESA-1436P	36p 14	2.190	2221

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: ES (CONT.)

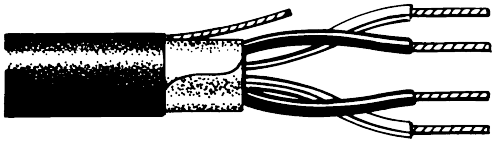
ES 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
ESA-1801T	1t 18	0.405	78
ESA-1803T	3t 18	0.730	226
ESA-1804T	4t 18	0.795	261
ESA-1807T	7t 18	1.005	434
ESA-1601T	1t 16	0.430	93
ESA-1603T	3t 16	0.775	273
ESA-1604T	4t 16	0.895	354
ESA-1607T	7t 16	1.070	531
ESA-1401T	1t 14	0.465	121
ESA-1403T	3t 14	0.890	386
ESA-1404T	4t 14	0.970	451
ESA-1407T	7t 14	1.165	689

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: FJ

Instrumentation, Multipairs, Braided Shield
Overall Collective Screen, Flame Resistant
150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. FLAME BARRIER: Fire-resistant, halogen free, glass mica tape
3. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
4. SCREEN: Aluminum laminate tape with tinned annealed copper drain wire
5. SEPARATOR: Polypropylene or polyester tape
6. ARMOR: Tinned copper wire (90%) or galvanized steel wire (90%)
7. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
8. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
9. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour red

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications where circuit integrity is required under fire conditions and mechanical or EMC projection is also required. Max conductor temperature: 110°C

FJ 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx.Weight. (lbs / kft)
FJA-1801P	1p 18	0.445	111
FJA-1802P	2p 18	0.500	148
FJA-1804P	4p 18	0.760	283
FJA-1808P	8p 18	1.015	485
FJA-1810P	10p 18	1.170	623
FJA-1812P	12p 18	1.205	650
FJA-1816P	16p 18	1.330	799
FJA-1820P	20p 18	1.470	964
FJA-1824P	24p 18	1.630	1136
FJA-1827P	27p 18	1.665	1188
FJA-1836P	36p 18	1.925	1611
FJA-1601P	1p 16	0.465	126
FJA-1602P	2p 16	0.525	172
FJA-1604P	4p 16	0.805	330
FJA-1608P	8p 16	1.075	570
FJA-1610P	10p 16	1.245	734
FJA-1612P	12p 16	1.285	773
FJA-1616P	16p 16	1.420	957
FJA-1620P	20p 16	1.570	1160
FJA-1624P	24p 16	1.810	1482
FJA-1627P	27p 16	1.845	1554
FJA-1636P	36p 16	2.055	1951
FJA-1401P	1p 14	0.500	151
FJA-1402P	2p 14	0.600	229
FJA-1404P	4p 14	0.915	442
FJA-1408P	8p 14	1.165	708
FJA-1410P	10p 14	1.355	915
FJA-1412P	12p 14	1.395	971
FJA-1416P	16p 14	1.550	1215
FJA-1420P	20p 14	1.785	1589
FJA-1424P	24p 14	1.975	1875
FJA-1427P	27p 14	2.015	1978
FJA-1436P	36p 14	2.250	2504

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: FJ (CONT.)

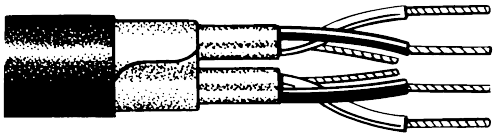
FJ 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
FJA-1801T	1t 18	1t 18	128
FJA-1803T	3t 18	3t 18	321
FJA-1804T	4t 18	4t 18	398
FJA-1807T	7t 18	7t 18	560
FJA-1601T	1t 16	1t 16	147
FJA-1603T	3t 16	3t 16	410
FJA-1604T	4t 16	4t 16	465
FJA-1607T	7t 16	7t 16	665
FJA-1401T	1t 14	1t 14	179
FJA-1403T	3t 14	3t 14	500
FJA-1404T	4t 14	4t 14	573
FJA-1407T	7t 14	7t 14	837

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: FC

Instrumentation, Multipairs
Individual and Overall Collective Screen
Fire-Resistant, 150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. FLAME BARRIER: Fire-resistant, halogen free, glass mica tape
3. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
4. SCREEN: Individual and collective aluminum laminate tape with tinned annealed copper drain wire
5. SEPARATOR: Polypropylene or polyester tape
6. OPTIONAL: All constructions are available with overbraid armor of either aluminum or bronze.
7. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
8. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour red

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications where circuit integrity is required under fire conditions. Where mechanical or EMC protection is required see FL series. Max conductor temperature: 110°C

FC 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx.Weight. (lbs / kft)
FCA-1801P	1p 18	0.385	70
FCA-1802P	2p 18	0.625	163
FCA-1804P	4p 18	0.760	225
FCA-1808P	8p 18	0.985	409
FCA-1810P	10p 18	1.150	539
FCA-1812P	12p 18	1.185	569
FCA-1816P	16p 18	1.315	720
FCA-1820P	20p 18	1.460	887
FCA-1824P	24p 18	1.625	1059
FCA-1827P	27p 18	1.660	1117
FCA-1836P	36p 18	1.930	1558
FCA-1601P	1p 16	0.410	83
FCA-1602P	2p 16	0.665	193
FCA-1604P	4p 16	0.810	274
FCA-1608P	8p 16	1.045	501
FCA-1610P	10p 16	1.225	659
FCA-1612P	12p 16	1.260	702
FCA-1616P	16p 16	1.405	895
FCA-1620P	20p 16	1.560	1106
FCA-1624P	24p 16	1.805	1433
FCA-1627P	27p 16	1.845	1517
FCA-1636P	36p 16	2.060	1945
FCA-1401P	1p 14	0.440	106
FCA-1402P	2p 14	0.720	245
FCA-1404P	4p 14	0.925	397
FCA-1408P	8p 14	1.135	662
FCA-1410P	10p 14	1.330	868
FCA-1412P	12p 14	1.375	937
FCA-1416P	16p 14	1.530	1205
FCA-1420P	20p 14	1.770	1603
FCA-1424P	24p 14	1.965	1909
FCA-1427P	27p 14	2.010	2036
FCA-1436P	36p 14	2.250	2631

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: FC (CONT.)

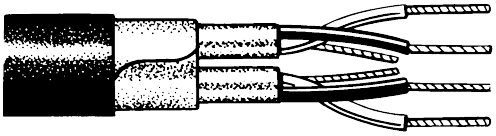
FC 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
FCA-1801T	1t 18	0.405	78
FCA-1803T	3t 18	0.750	245
FCA-1804T	4t 18	0.820	284
FCA-1807T	7t 18	1.030	474
FCA-1601T	1t 16	0.430	93
FCA-1603T	3t 16	0.795	297
FCA-1604T	4t 16	0.915	386
FCA-1607T	7t 16	1.095	583
FCA-1401T	1t 14	0.465	121
FCA-1403T	3t 14	0.910	425
FCA-1404T	4t 14	0.995	501
FCA-1407T	7t 14	1.195	773

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: FL

Instrumentation, Multipairs, Braided Shield
Individual and Overall Collective Screen Fire-Resistant,
150/250V



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in bare or tinned.
2. FLAME BARRIER: Fire-resistant, halogen free, glass mica tape
3. INSULATION: 'Easy Strip' LSZH Cross-Linked Polyethylene to IEEE 1580
4. SCREEN: Individual and collective aluminum laminate tape with tinned annealed copper drain wire
5. SEPARATOR: Polypropylene or polyester tape
6. ARMOR: tinned copper wire (90%) or galvanized steel wire (90%)
7. CORE IDENTIFICATION: Pair: black, white
   Triad: black, white
8. OVERALL JACKET: TPO and SHF 1 thermoplastic, jacket colour red

APPLICATIONS

Flexible instrumentation cables suitable for all shipboard and marine applications where circuit integrity is required under fire conditions and mechanical or EMC protection is also required. Max conductor temperature: 110°C

FL 150/250V – INSTRUMENTATION PAIRS (HIGH FLEX STRANDING)

Anixter Number	Number of Pairs (p) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
FLA-1801P	1p 18	0.445	93
FLA-1802P	2p 18	0.685	202
FLA-1804P	4p 18	0.820	264
FLA-1808P	8p 18	1.045	434
FLA-1810P	10p 18	1.205	551
FLA-1812P	12p 18	1.245	582
FLA-1816P	16p 18	1.375	715
FLA-1820P	20p 18	1.520	861
FLA-1824P	24p 18	1.750	1012
FLA-1827P	27p 18	1.785	1065
FLA-1836P	36p 18	1.990	1340
FLA-1601P	1p 16	0.465	107
FLA-1602P	2p 16	0.725	235
FLA-1604P	4p 16	0.915	315
FLA-1608P	8p 16	1.105	527
FLA-1610P	10p 16	1.280	672
FLA-1612P	12p 16	1.320	717
FLA-1616P	16p 16	1.460	890
FLA-1620P	20p 16	1.620	1078
FLA-1624P	24p 16	1.865	1272
FLA-1627P	27p 16	1.900	1348
FLA-1636P	36p 16	2.120	1823
FLA-1401P	1p 14	0.500	131
FLA-1402P	2p 14	0.780	293
FLA-1404P	4p 14	0.985	406
FLA-1408P	8p 14	1.195	693
FLA-1410P	10p 14	1.390	885
FLA-1412P	12p 14	1.435	956
FLA-1416P	16p 14	1.590	1201
FLA-1420P	20p 14	1.830	1464
FLA-1424P	24p 14	2.025	1844
FLA-1427P	27p 14	2.070	1964
FLA-1436P	36p 14	2.310	2497

IEEE 45/1580 AND IEC 60092-350 INSTRUMENTATION LSZH

Type: FL (CONT.)

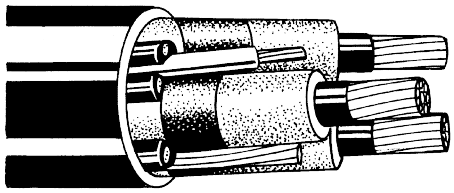
FL 150/250V – INSTRUMENTATION TRIADS (HIGH FLEX STRANDING)

Anixter Number	Number of Triads (t) X AWG	Nominal Overall Diameter (Inches)	Approx. Weight. (lbs / kft)
FLA-1801T	1t 18	0.465	128
FLA-1803T	3t 18	0.810	343
FLA-1804T	4t 18	0.925	426
FLA-1807T	7t 18	1.090	604
FLA-1601T	1t 16	0.490	147
FLA-1603T	3t 16	0.900	438
FLA-1604T	4t 16	0.975	499
FLA-1607T	7t 16	1.155	722
FLA-1401T	1t 14	0.525	179
FLA-1403T	3t 14	0.970	541
FLA-1404T	4t 14	1.055	625
FLA-1407T	7t 14	1.255	924

IEEE 45/1580 & IEC 60092-350 VFD CABLE LSZH

Type: DF

Variable Frequency Drive (VFD), Multiconductor, Armored, 1KV



SPECIFICATIONS

1. CONDUCTOR: Finely stranded annealed copper to IEEE 1580. Available in Bare or Tinned.
2. INSULATION: 'Easy Strip' LSX to IEEE 1580
3. SEPARATOR: Polypropylene or Polyester Tape
4. ARMOR: Tinned Copper Wire braid (90%) with Aluminum Laminate Tape (100%)
5. CORE IDENTIFICATION: 3 Cores: Black, White, Red
   +3 Grounding Cores: Green
6. OVERALL JACKET: Flame Retardant 'Easy Strip' Low Friction TPO IEEE 1580. Splash resistant to oil, skydrol, gasoline, acid, sea water. Resists ozone and UV.

APPLICATIONS

Flexible Variable Frequency Drive cables suitable for all shipboard and marine applications where mechanical or EMC protection is required.. Max conductor temperature: 110°C

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Braid (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
DFA-1403C	3c 14	0.44	0.570	24	199
DFA-1203C	3c 12	0.48	0.615	29	245
DFA-1003C	3c 10	054	0.675	38	318
DFA-0803C	3c 8	0.63	0.760	48	419
DFA-0603C	3c 6	0.71	0.890	65	607
DFA-0403C	3c 4	0.79	0.965	83	784
DFA-0203C	3c 2	0.92	1.095	111	1111
DFA-0103C	3c 1	1.04	1.220	131	1339
DFA-1013C	3c 1/0	1.12	1.305	150	1583
DFA-2023C	3c 2/0	1.23	1.410	173	1890
DFA-3033C	3c 3/0	1.34	1.520	201	2343
DFA-4043C	3c 4/0	1.50	1.750	232	2903
DFA-2623C	3c 262	1.70	1.945	273	3648
DFA-3133C	3c 313	1.77	2.020	298	4201
DFA-3733C	3c 373	1.89	2.140	332	4822
DFA-4443C	3c 444	2.06	2.305	382	5481
DFA-5353C	3c 535	2.27	2.520	407	6582
DFA-6463C	3c 646	2.43	2.680	474	7791
DFA-7773C	3c 777	2.65	2.965	516	9458

Commercial Marine Cables–IEC 60092-350

3

Section 3 Commerical Marine Cables–IEC 60092-350

All Anixter Commercial Marine Cables–
IEC 60092-350 have LLOYDS, ABS and DNV Class Approvals

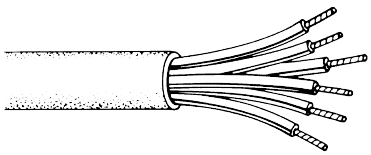
Cables are manufactured according to the following standards:

- IEC 60228
- IEC 60092-350
- IEC 60092-353
- IEC 60332-3-22
- IEC 60332-1
- IEC 60754-1/60754-2
- IEC 60684-2
- IEC 61034
- IEC 60092-360

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRX®

Power and Control, Multiconductor 0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper class 2 or class 5 (35mm² or greater)
2. INSULATION: XLPE (cross-linked polyethylene)
3. OPTIONAL: Extruded inner covering
4. CORE IDENTIFICATION: 1 Core: black
   2 Cores: brown, blue
   3 x: brown, black, grey
   3 G: brown, blue, green/yellow
   4 x: brown, black, grey, blue
   4 G: brown, black, grey, green/yellow
   ≥ 5 Cores: n x: white with printed numbers
   n G: white with printed numbers + green/yellow earth core
5. OVERALL JACKET: (Filler if necessary) polyolefin SHF1, jacket colour black

APPLICATIONS

MPRX® 0.6/1KV power and control cables are used for wiring fixed installations not subject to mechanical risk. The highly flexible MPRX ® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Design with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risk of fire. Max conductor temperature: 90°C

MPRX® 0.6/1KV – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRX-1X1.5	1 x 1.5	23	4.6	4.9	5.6	40
MPRX-1X2.5	1 x 2.5	30	5.0	5.4	6.2	50
MPRX-1X4	1 x 4	40	5.5	6.0	6.8	60
MPRX-1X6	1 x 6	52	5.8	6.3	7.2	80
MPRX-1X10	1 x 10	72	6.6	7.1	8.0	130
MPRX-1X16	1 x 16	96	7.6	8.2	9.2	180
MPRX-1X25	1 x 25	127	9.6	10.1	11.5	280
MPRX-2X1.5	2 x 1.5	20	7.0	8.2	8.8	80
MPRX-2X2.5	2 x 2.5	26	8.0	9.2	10.0	100
MPRX-2X4	2 x 4	34	9.6	10.4	11.5	140
MPRX-2X6	2 x 6	44	10.0	11.0	12.6	200
MPRX-2X10	2 x 10	61	12.0	12.8	14.9	310
MPRX-2X16	2 x 16	82	13.0	15.2	16.7	460
MPRX-2X25	2 x 25	108	17.5	18.8	20.5	700
MPRX-3X1.5 /	3 x 1.5	16	7.5	8.7	9.2	100
MPRX-3G1.5	3 G 1.5	16	7.5	8.7	9.2	100
MPRX-3X2.5 /	3 x 2.5	21	9.0	9.7	11.0	140
MPRX-3G2.5	3 G 2.5	21	9.0	9.7	11.0	140
MPRX-3X4	3 x 4	28	10.0	11.0	12.0	190
MPRX-3X6	3 x 6	36	11.0	11.9	13.3	260
MPRX-3X10	3x10	50	12.5	13.6	15.8	390
MPRX-3X16	3x16	67	15.0	16.2	17.7	580
MPRX-3X25	3x25	89	19.0	20.0	21.5	940

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRX® (CONT.)

MPRX® 0.6/1KV – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRX-4X1.5 /	4 x 1.5	16	8.8	9.2	10.5	120
MPRX-4G1.5	4 G 1.5	16	8.8	9.2	10.5	120
MPRX-4X2.5 /	4 x 2.5	21	10.0	10.4	11.5	170
MPRX-4G2.5	4 G 2.5	21	10.0	10.4	11.5	170
MPRX-4X4 /	4 x 4	28	11.5	11.9	13.5	250
MPRX-4G4	4 G 4	28	11.5	11.9	13.5	250
MPRX-4X6 /	4 x 6	36	12.0	12.8	14.0	330
MPRX-4G6	4 G 6	36	12.0	12.8	14.0	330
MPRX-4x10 /	4 x 10	50	14.0	14.9	16.5	500
MPRX-4G10	4 G 10	50	14.0	14.9	16.5	500
MPRX-4X16 /	4 x 16	67	17.0	18.0	19.5	770
MPRX-4G16	4 G 16	67	17.0	18.0	19.5	770
MPRX-4X25 /	4 x 25	89	21.0	22.3	24.0	1180
MPRX-4G25	4 G 25	89	21.0	22.3	24.0	1180
MPRX-5X1.5 /	5 x 1.5	16	9.6	10.5	11.5	160
MPRX-5G1.5	5 G 1.5	16	9.6	10.5	11.5	160
MPRX-5X2.5 /	5 x 2.5	21	10.5	11.4	12.5	200
MPRX-5G2.5	5 G 2.5	21	10.5	11.4	12.5	200
MPRX-5G4	5 G 4	28	12.5	13.2	14.5	320
MPRX-5G6	5 G 6	36	13.5	14.2	15.5	420
MPRX-5G10	5 G 10	50	15.5	16.4	18.0	630

MPRX® 0.6/1KV – POWER (CLASS 5 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRX-1X35	1 x 35	157	11.0	11.5	12.5	400
MPRX-1X50	1 x 50	196	12.5	13.4	14.5	560
MPRX-1X70	1 x 70	242	15.0	15.5	17.0	780
MPRX-1X95	1 x 95	293	17.0	17.6	19.0	1030
MPRX-1X120	1 x 120	339	18.5	19.3	21.0	1290
MPRX-1X150	1 x 150	389	21.0	21.8	23.5	1600
MPRX-1X185	1 x 185	444	22.5	23.5	25.5	1750
MPRX-1X240	1 x 240	522	26.5	27.6	29.5	2260
MPRX-3X35	3 x 35	110	22.5	23.5	25.0	1230
MPRX-3X50	3 x 50	137	26.5	27.5	29.5	1690
MPRX-3X70S	3 x 70	169	26.5	27.7	30.0	2210
MPRX-3X95S	3 x 95	205	30.5	31.8	34.0	2870
MPRX-3X120S	3 x 120	237	33.5	35.0	37.5	3660
MPRX-3X150S	3 x 150	272	38.0	39.4	42.0	4570
MPRX-4X35 /	4 x 35	110	25.0	26.1	28.0	1860
MPRX-4G35	4 G 35	110	25.0	26.1	28.0	1860
MPRX-4X50 /	4 x 50	137	29.0	30.4	32.5	2180
MPRX-4G50	4 G 50	137	29.0	30.4	32.5	2180
MPRX-4X70 /	4 x 70	169	33.5	34.9	37.5	3200
MPRX-4G70	4 G 70	169	33.5	34.9	37.5	3200

S: Sector shaped conductor

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRX® (CONT.)

MPRX® 0.6/1KV – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRX-7X1.5	7 x 1.5	11	10.5	11.4	12.5	200
MPRX-10X15	10 x 1.5	10	13.3	14.1	14.8	260
MPRX-12X1.5	12 x 1.5	10	14.0	15.3	16.5	330
MPRX-14X1.5	14 x 1.5	10	14.9	15.7	16.4	350
MPRX-16X1.5	16 x 1.5	9	15.7	16.5	17.2	400
MPRX-19X1.5	19 x 1.5	9	16.5	17.6	19.0	500
MPRX-24X1.5	24 x 1.5	8	19.5	20.7	22.5	630
MPRX-27X1.5	27 x 1.5	8	20.0	21.1	23.0	700
MPRX-37X1.5	37 x 1.5	7	23.0	24.6	26.0	930
MPRX-7X2.5	7 x 2.5	16	12.0	12.8	14.0	280
MPRX-12X2.5	12 x 2.5	13	15.5	16.9	18.5	460
MPRX-19X2.5	19 x 2.5	11	18.5	20.0	21.5	690
MPRX-24X2.5	24 x 2.5	10	22.0	23.8	25.5	880
MPRX-27X2.5	27 x 2.5	10	23.0	24.5	26.5	970
MPRX-37X2.5	37 x 2.5	9	25.5	27.6	29.5	1300

Minimum Bending Radius for Fixed Installations: MPRX®

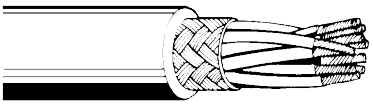
Cable Diameter ≤ 4 x outer diameter

Cable Diameter ≥ 6 x outer diameter

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRCX®

Power and Control, Braided Shield Multiconductor, 0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper class 2 or class 5 (35mm² or greater)
2. INSULATION: XLPE (cross-linked polyethylene)
3. INNER COVER: Lapped (Filler if necessary)
4. OPTIONAL: Extruded inner covering
5. ARMOR: Bare copper braid
6. CORE IDENTIFICATION: 1 Core: black
   2 Cores: brown, blue
   3 x: brown, black, grey
   3 G: brown, blue, green/yellow
   4 x: brown, black, grey, blue
   4 G: brown, black, grey, green/yellow
   ≥ 5 Cores: n x: white with printed numbers
   n G: white with printed numbers + green/yellow earth core
7. OVERALL JACKET: (Filler if necessary) polyolefin SHF1, jacket colour black

APPLICATIONS

MPRXCX® 0.6/1KV power and control cables are used for wiring fixed where enhanced mechanical protection and electrical screening (EMC) is required. The highly flexible MPRXCX® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Design with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risk of fire. Max conductor temperature: 90°C

MPRXCX® 0.6/1KV – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRXCX-1X1.5	1 x 1.5	23	5.8	6.3	7.2	70
MPRXCX-1X2.5	1 x 2.5	30	6.2	6.7	7.6	80
MPRXCX-1X4	1 x 4	40	6.6	7.3	8.4	100
MPRXCX-1X6	1 x 6	52	7.0	7.6	8.2	120
MPRXCX-1X10	1 x 10	72	8.0	8.6	9.4	180
MPRXCX-1X16	1 x 16	96	9.0	9.7	10.5	250
MPRXCX-1X25	1 x 25	127	10.5	11.6	12.5	360
MPRXCX-2X1.5	2 x 1.5	20	8.3	9.5	10.5	130
MPRXCX-2X2.5	2 x 2.5	26	9.1	10.3	11.5	160
MPRXCX-2X4	2 x 4	34	10.3	11.7	13.0	210
MPRXCX-2X6	2 x 6	44	11.5	12.3	14.0	280
MPRXCX-2X10	2 x 10	61	13.5	14.6	16.0	430
MPRXCX-2X16	2 x 16	82	16.0	17.0	18.5	600
MPRXCX-2X25	2 x 25	108	19.0	20.6	22.5	880
MPRXCX-3X1.5 /	3 x 1.5	16	8.8	10.0	11.0	150
MPRXCX-3G1.5	3 G 1.5	16	8.8	10.0	11.0	150
MPRXCX-3X2.5 /	3 x 2.5	21	10.0	10.8	12.0	190
MPRXCX-3G2.5	3 G 2.5	21	10.0	10.8	12.0	190
MPRXCX-3X4	3 x 4	28	11.0	12.3	13.5	260
MPRXCX-3X6	3 x 6	36	12.0	13.0	14.5	330
MPRXCX-3X10	3 x 10	50	14.0	15.3	17.0	530
MPRXCX-3X16	3 x 16	67	16.5	17.9	19.5	770
MPRXCX-3X25	3 x 25	89	20.5	21.8	23.5	1140

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRCX® (CONT.)

MPRXCX® 0.6/1KV – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRXCX-4X1.5 /	4 x 1.5	16	9.8	10.7	12.0	180
MPRXCX-4G1.5	4 G 1.5	16	9.8	10.7	12.0	180
MPRXCX-4X2.5 /	4 x 2.5	21	11.0	11.9	13.0	240
MPRXCX-4G2.5	4 G 2.5	21	11.0	11.9	13.0	240
MPRXCX-4X4	4 x 4	28	12.5	13.4	15.0	320
MPRXCX-4X6	4 x 6	36	13.5	14.7	16.0	450
MPRXCX-4x10	4 x 10	50	15.5	16.9	18.5	640
MPRXCX-4X16	4 x 16	67	18.5	19.7	21.5	930
MPRXCX-4X25	4 x 25	89	22.5	24.0	26.0	1380
MPRXCX-5X1.5 /	5 x 1.5	16	10.5	11.8	13.0	230
MPRXCX-5G1.5	5 G 1.5	16	10.5	11.8	13.0	230
MPRXCX-5X2.5 /	5 x 2.5	21	12.0	12.9	14.5	290
MPRXCX-5G2.5	5 G 2.5	21	12.0	12.9	14.5	290
MPRXCX-5G4	5 G 4	28	14.5	15.2	16.5	360
MPRXCX-5G6	5 G 6	36	15.0	15.8	17.5	490
MPRXCX-5G10	5 G 10	50	17.5	18.1	20.0	720

MPRXCX® FLEXISHIP® 0.6/1KV – POWER (CLASS 5 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRXCX-1X35	1 x 35	157	12.5	13.0	14.5	480
MPRXCX-1X50	1 x 50	196	14.5	15.4	17.0	680
MPRXCX-1X70	1 x 70	242	16.5	17.5	19.0	870
MPRXCX-1X95	1 x 95	293	18.5	19.2	21.0	1090
MPRXCX-1X120	1 x 120	339	20.5	21.3	23.0	1340
MPRXCX-1X150	1 x 150	389	23.0	23.8	25.5	1660
MPRXCX-1X185	1 x 185	444	24.0	25.5	27.5	1990
MPRXCX-1X240	1 x 240	522	28.5	29.6	31.5	2520
MPRXCX-3X35	3 x 35	110	24.0	25.0	27.0	1470
MPRXCX-3X50	3 x 50	137	28.0	29.0	31.0	2010
MPRXCX-3X70S	3 x 70	169	27.5	29.3	31.5	2340
MPRXCX-3X95S	3 x 95	205	31.5	33.3	36.0	3010
MPRXCX-3X120S	3 x 120	237	35.0	37.0	39.5	3870
MPRXCX-3X150S	3 x 150	272	39.5	41.4	44.5	4800
MPRXCX-4X35 /	4 x 35	110	26.5	27.6	29.5	1820
MPRXCX-4G35	4 G 35	110	26.5	27.6	29.5	1820
MPRXCX-4X50 /	4 x 50	137	31.0	32.1	34.5	2320
MPRXCX-4G50	4 G 50	137	31.0	32.1	34.5	2320
MPRXCX-4X70 /	4 x 70	169	37.5	39.1	42.0	3320
MPRXCX-4G70	4 G 70	169	37.5	39.1	42.0	3320

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRCX® (CONT.)

MPRXCX® 0.6/1KV – CONTROL (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRXCX-7X1.5	7 x 1.5	12	11.5	12.7	14.0	270
MPRXCX-10X15	10 x 1.5	11	14.5	15.3	17.5	380
MPRXCX-12X1.5	12 x 1.5	10	15.5	17.0	18.0	460
MPRXCX-14X1.5	14 x 1.5	9	16.5	17.3	19.0	470
MPRXCX-16X1.5	16 x 1.5	9	17.5	18.5	20.0	530
MPRXCX-19X1.5	19 x 1.5	9	18.0	19.8	21.0	650
MPRXCX-24X1.5	24 x 1.5	8	21.0	23.0	24.5	760
MPRXCX-27X1.5	27 x 1.5	8	21.5	23.4	24.5	870
MPRXCX-37X1.5	37 x 1.5	7	24.0	26.2	27.5	1060
MPRXCX-7X2.5	7 x 2.5	16	13.5	14.6	16.0	390
MPRXCX-12X2.5	12 x 2.5	13	17.0	18.7	20.5	610
MPRXCX-19X2.5	19 x 2.5	11	20.0	21.8	23.5	870
MPRXCX-24X2.5	24 x 2.5	10	23.5	25.6	27.5	1100
MPRXCX-27X2.5	27 x 2.5	10	24.0	26.1	28.0	1200
MPRXCX-37X2.5	37 x 2.5	9	27.0	29.2	31.5	1560

Minimum Bending Radius for Fixed Installations: MPRXCX®

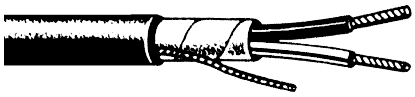
Cable Diameter	6 x outer diameter
MPRXCX® Flexiship®	5 x outer diameter

S: Sector shaped conductor

IEC 60092-350 INSTRUMENTATION LSZH

Type: TCX®C

Instrumentation, Braided Shield
Overall Shield, Twisted Pair, 150/250V



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper class 2
2. INSULATION: XLPE (cross-linked polyethylene)
3. INNER COVER: Lapped tape
4. OPTIONAL: Extruded inner covering
5. ARMOR: Bare copper braid
6. CORE IDENTIFICATION: Pair: white / blue with printed pair number
   Triad: white / blue / red with printed triad number
7. OVERALL JACKET: (Filler if necessary) polyolefin SHF1, jacket colour grey

APPLICATIONS

TCX®C 150/250V braided shield twisted pair cables are used for telecommunication and instrumentation purposes. These cables show a low transfer impedance in low frequency and an effective screening in high frequency, making them very suitable for polluted electromagnetic surroundings. TCX®C cables are also selected where enhanced mechanical protection is required. Design with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risk of fire.

Max conductor temperature: 90°C

TCX®C 150/250V – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Outer Diameter Minimum (mm)	Outer Diameter Nominal (mm)	Outer Diameter Maximum (mm)	Approx. Weight. (kg / km)
TCX-C-1PRX0.75	1 x 2 x 0.75	7.0	7.4	8.4	90
TCX-C-2PRX0.75*	2 x 2 x 0.75	7.8	8.2	9.2	110
TCX-C-4PRX0.75	4 x 2 x 0.75	11.5	11.9	13.0	200
TCX-C-7PRX0.75	7 x 2 x 0.75	14.0	14.7	15.5	290
TCX-C-10PRX0.75	10 x 2 x 0.75	16.5	17.2	19.0	440
TCX-C-14PRX0.75	14 x 2 x 0.75	18.5	19.1	21.0	530
TCX-C-19PRX0.75	19 x 2 x 0.75	21.0	21.8	23.5	670
TCX-C-24PRX0.75	24 x 2 x 0.75	23.0	24.1	26.0	830
TCX-C-1TRX0.75	1 x 3 x 0.75	7.4	7.7	86	100
TCX-C-2TRX0.75	2 x 3 x 0.75	11.0	11.7	13.0	200
TCX-C-4TRX0.75	4 x 3 x 0.75	12.5	13.0	14.5	250
TCX-C-7TRX0.75	7 x 3 x 0.75	16.0	16.8	18.5	420
TCX-C-10TRX0.75	10 x 3 x 0.75	18.5	19.5	21.0	580
TCX-C-1PRX1.5	1 x 2 x 1.5	8.2	8.6	9.6	120
TCX-C-2PRX1.5*	2 x 2 x 1.5	9.4	9.8	11.0	170
TCX-C-4PRX1.5	4 x 2 x 1.5	14.5	15.0	16.5	340
TCX-C-7PRX1.5	7 x 2 x 1.5	17.0	18.0	19.5	490
TCX-C-10PRX1.5	10 x 2 x 1.5	20.0	21.1	23.0	680
TCX-C-14PRX1.5	14 x 2 x 1.5	23.0	23.8	25.5	850
TCX-C-19PRX1.5	19 x 2 x 1.5	26.0	27.2	29.5	1100
TCX-C-1TRX1.5	1 x 3 x 1.5	8.6	9.0	10.0	140
TCX-C-2TRX1.5	2 x 3 x 1.5	13.5	14.3	16.0	300
TCX-C-4TRX1.5	4 x 3 x 1.5	15.5	16.4	18.0	430

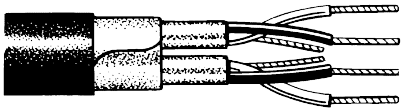
Minimum Bending Radius for Fixed Installations: TCX®C

Cable Diameter 6 x outer diameter

IEC 60092-350 INSTRUMENTATION LSZH

Type: TCX®I

Instrumentation, Braided Shield
Overall and Individual Shield
Twisted Pair, 150/250V



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper class 2
2. INSULATION: XLPE (cross-linked polyethylene)
3. INDIVIDUAL SCREEN: Alu/polyester tape with a tinned copper drain wire
4. INNER COVER: Lapped tape
5. OPTIONAL: Extruded inner covering
6. ARMOR: Bare copper braid
7. CORE IDENTIFICATION: Pair: white / blue with printed pair number
   Triad: white / blue / red with printed triad number
8. OVERALL JACKET: (Filler if necessary) polyolefin SHF1, jacket colour grey

APPLICATIONS

TCX®I 150/250V braided shield individually screened twisted pair cables are used for telecommunication and instrumentation purposes. These cables provide strong protection against cross-talk in both low and high frequency runs, making them suitable for highly polluted electromagnetic surroundings. TCX®I cables are also selected where enhanced mechanical protection is required. Design with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risk of fire.

Max conductor temperature: 90°C

TCX®C 150/250V – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Outer Diameter			Approx. Weight. (kg / km)
		Minimum (mm)	Nominal (mm)	Maximum (mm)	
TCX-I-2PRX0.75	2 x 2 x 0.75	10.0	10.7	12.0	180
TCX-I-4PRX0.75	4 x 2 x 0.75	12.0	12.5	14.0	230
TCX-I-7PRX0.75	7 x 2 x 0.75	15.0	15.5	17.0	380
TCX-I-10PRX0.75	10 x 2 x 0.75	17.5	18.1	20.0	520
TCX-I-14PRX0.75	14 x 2 x 0.75	19.5	20.4	22.0	650
TCX-I-19PRX0.75	19 x 2 x 0.75	22.5	23.3	25.0	830
TCX-I-24PRX0.75	24 x 2 x 0.75	24.5	25.7	27.5	1020
TCX-I-2TRX0.75	2 x 3 x 0.75	12.0	12.5	14.0	230
TCX-I-4TRX0.75	4 x 3 x 0.75	13.0	13.6	15.0	290
TCX-I-7TRX0.75	7 x 3 x 0.75	17.0	17.6	19.5	500
TCX-I-10TRX0.75	10 x 3 x 0.75	19.5	20.5	22.2	700
TCX-I-2PRX1.5	2 x 2 x 1.5	12.5	12.9	14.5	260
TCX-I-4PRX1.5	4 x 2 x 1.5	15.0	15.6	17.0	380
TCX-I-7PRX1.5	7 x 2 x 1.5	18.0	18.7	20.5	570
TCX-I-10PRX1.5	10 x 2 x 1.5	21.5	22.2	24.0	820
TCX-I-14PRX1.5	14 x 2 x 1.5	24.0	25.0	27.0	1010
TCX-I-19PRX1.5	19 x 2 x 1.5	27.5	28.6	31.0	1310
TCX-I-2TRX1.5	2 x 3 x 1.5	15.0	15.6	17.0	380
TCX-I-4TRX1.5	4 x 3 x 1.5	16.5	17.2	19.0	490

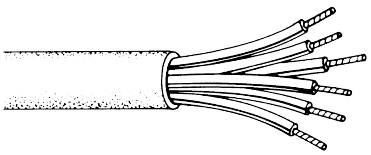
Minimum Bending Radius for Fixed Installations: TCX®I

Cable Diameter 6 x outer diameter

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRX®331

Power and Control, Fire-Resistant Multiconductor, 0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper class 2 or class 5 (35mm² or greater)
2. INSULATION: Mica tape + XLPE (cross-linked polyethylene)
3. CORE IDENTIFICATION: 1 Core: black
   2 Cores: brown, blue
   3 x: brown, black, grey
   3 G: brown, blue, green/yellow
   4 x: brown, black, grey, blue
   4 G: brown, black, grey, green/yellow
   ≥ 5 Cores: n x: white with printed numbers
   n G: white with printed numbers + green/yellow earth core
4. OVERALL JACKET: (Filler if necessary) polyolefin SHF1, jacket colour orange

APPLICATIONS

MPRX® 331 0.6/1KV Fire-resistant power and control cables maintain circuit integrity in case of fire by meeting performances requirements from the IEC 60331 series for 90 minutes They are used for detection and warning systems not subject to mechanical risk. The highly flexible MPRX ® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Design with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risk of fire. Max conductor temperature: 90°C

MPRX® 331 0.6/1KV – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRX-331-2X1.5	2 x 1.5	20	7.6	8.0	9.0	70
MPRX-331-2X2.5	2 x 2.5	26	8.6	9.2	10.5	100
MPRX-331-2X4	2 x 4	34	9.6	10.4	11.5	140
MPRX-331-2X6	2 x 6	44	12.0	12.4	14.0	270
MPRX-331-2X10	2 x 10	61	13.5	14.0	15.5	380
MPRX-331-2X16	2 x 16	82	15.5	16.4	18.0	560
MPRX-331-2X25	2 x 25	108	19.0	20.0	21.5	850
MPRX-331-3X1.5	3 x 1.5	16	8.2	8.5	9.4	100
MPRX-331-3X2.5	3 x 2.5	21	9.4	9.7	11.0	140
MPRX-331-3X4	3 x 4	28	10.5	11.0	12.5	200
MPRX-331-3X6	3 x 6	36	12.5	13.2	14.5	330
MPRX-331-3X10	3 x 10	50	14.5	15.1	16.5	480
MPRX-331-3X16	3 x 16	67	17.0	17.6	19.5	730
MPRX-331-3X25	3 x 25	89	20.5	21.5	23.5	1110
MPRX-331-4X1.5	4 x 1.5	16	9.0	9.4	10.5	130
MPRX-331-4X2.5	4 x 2.5	21	10.0	10.6	12.0	180
MPRX-331-4X4	4 x 4	28	11.5	12.3	13.5	260
MPRX-331-4X6	4 x 6	36	14.0	14.6	16.0	420
MPRX-331-4X10	4 x 10	50	16.0	16.6	18.0	610
MPRX-331-4X16	4 x 16	67	18.5	19.4	21.0	930
MPRX-331-4X25	4 x 25	89	23.0	23.9	26.0	1420

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRX®331 (CONT.)

MPRX® 331 FLEXISHIP® 0.6/1KV – POWER (CLASS 5 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm^2)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRX-331-1X35	1 x 35	157	11.5	12.3	13.5	400
MPRX-331-1X50	1 x 50	196	13.5	13.0	15.5	580
MPRX-331-1X70	1 x 70	242	15.5	16.1	17.5	780
MPRX-331-1X95	1 x 95	293	17.5	18.2	20.0	1060
MPRX-331-1X120	1 x 120	339	19.0	19.9	21.5	1350
MPRX-331-1X150	1 x 150	389	21.5	22.4	24.5	1640
MPRX-331-1X185	1 x 185	444	23.5	24.6	26.5	2010
MPRX-331-1X240	1 x 240	522	27.5	28.4	30.5	2560
MPRX-331-3X35	3 x 35	110	24.0	24.8	27.0	1380
MPRX-331-3X50	3 x 50	137	28.0	28.9	31.0	1900
MPRX-331-3X70	3 x 70	169	32.0	33.2	35.5	2850
MPRX-331-3X95	3 x 95	205	36.5	38.1	41.0	3790
MPRX-331-3X120	3 x 120	237	40.0	41.5	44.5	4680
MPRX-331-4X35	4 x 35	110	26.5	27.7	30.0	1910
MPRX-331-4X50	4 x 50	137	31.5	32.5	35.0	2670
MPRX-331-4X70	4 x 70	169	35.5	37.0	39.5	3620

MPRX® 331 0.6/1KV – CONTROL (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm^2)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRX-331-5X1.5	5 x 1.5	14	9.8	10.3	11.5	170
MPRX-331-7X1.5	7 x 1.5	12	10.5	11.1	12.5	210
MPRX-331-12X1.5	12 x 1.5	10	14.0	14.9	16.5	350
MPRX-331-19X1.5	19 x 1.5	9	17.0	17.6	19.0	520
MPRX-331-27X1.5	27 x 1.5	8	20.0	21.1	23.0	730
MPRX-331-37X1.5	37 x 1.5	8	23.0	24.0	26.0	980
MPRX-331-5X2.5	5 x 2.5	18	11.0	11.6	13.0	230
MPRX-331-7X2.5	7 x 2.5	16	12.0	12.8	14.0	300
MPRX-331-12X2.5	12 x 2.5	13	16.0	16.8	18.5	490
MPRX-331-19X2.5	19 x 2.5	11	19.0	20.0	21.5	750
MPRX-331-27X2.5	27 x 2.5	10	23.5	24.5	26.5	1060

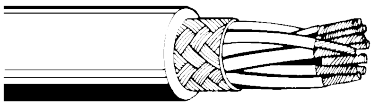
Minimum Bending Radius for Fixed Installations: MPRX® 331

Cable Diameter	6 x outer diameter
MPRX® 331 Flexiship®	5 x outer diameter

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRXCX® 331

Power and Control, Braided Shield
Fire-Resistant, Multiconductor
0.6/1KV



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper class 2 or class 5 (35mm² or greater)
2. INSULATION: Mica tape + XLPE (cross-linked polyethylene)
3. ARMOR: Bare copper braid
4. CORE IDENTIFICATION: 1 Core: black
   2 Cores: brown, blue
   3 x: brown, black, grey
   3 G: brown, blue, green/yellow
   4 x: brown, black, grey, blue
   4 G: brown, black, grey, green/yellow
   ≥ 5 Cores: n x: white with printed numbers
   n G: white with printed numbers + green/yellow earth core
5. OVERALL JACKET: (Filler if necessary) polyolefin SHF1, jacket colour orange

APPLICATIONS

MPRXCX® 331 0.6/1KV braided shield Fire-resistant power and control cables maintain circuit integrity in case of fire by meeting performances requirements from the IEC 60331 series for 90 minutes They are used for detection and warning systems where enhanced mechanical protection and electrical screening (EMC) is required. The highly flexible MPRXCX ® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Design with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risk of fire. Max conductor temperature: 90°C

MPRXCX® 331 0.6/1KV – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx. Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MPRXCX-331-2X1.5	2 x 1.5	20	7.6	8.0	9.0	70
MPRXCX-331-2X2.5	2 x 2.5	26	8.6	9.2	10.5	100
MPRXCX-331-2X4	2 x 4	34	9.6	10.4	11.5	140
MPRXCX-331-2X6	2 x 6	44	12.0	12.4	14.0	270
MPRXCX-331-2X10	2 x 10	61	13.5	14.0	15.5	380
MPRXCX-331-2X16	2 x 16	82	15.5	16.4	18.0	560
MPRXCX-331-2X25	2 x 25	108	19.0	20.0	21.5	850
MPRXCX-331-3X1.5	3 x 1.5	16	8.2	8.5	9.4	100
MPRXCX-331-3X2.5	3 x 2.5	21	9.4	9.7	11.0	140
MPRXCX-331-3X4	3 x 4	28	10.5	11.0	12.5	200
MPRXCX-331-3X6	3 x 6	36	12.5	13.2	14.5	330
MPRXCX-331-3X10	3 x 10	50	14.5	15.1	16.5	480
MPRXCX-331-3X16	3 x 16	67	17.0	17.6	19.5	730
MPRXCX-331-3X25	3 x 25	89	20.5	21.5	23.5	1110
MPRXCX-331-4X1.5	4 x 1.5	16	9.0	9.4	10.5	130
MPRXCX-331-4X2.5	4 x 2.5	21	10.0	10.6	12.0	180
MPRXCX-331-4X4	4 x 4	28	11.5	12.3	13.5	260
MPRXCX-331-4X6	4 x 6	36	14.0	14.6	16.0	420
MPRXCX-331-4X10	4 x 10	50	16.0	16.6	18.0	610
MPRXCX-331-4X16	4 x 16	67	18.5	19.4	21.0	930
MPRXCX-331-4X25	4 x 25	89	23.0	23.9	26.0	1420

IEC 60092-350 POWER AND CONTROL LSZH

Type: MPRXCX® 331 (CONT.)

MPRXCX® 331 FLEXISHIP® 0.6/1KV – POWER (CLASS 5 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter Minimum (mm)	Outer Diameter Nominal (mm)	Outer Diameter Maximum (mm)	Approx. Weight. (kg / km)
MPRXCX-331-1X35	1 x 35	157	11.5	12.3	13.5	400
MPRXCX-331-1X50	1 x 50	196	13.5	13.0	15.5	580
MPRXCX-331-1X70	1 x 70	242	15.5	16.1	17.5	780
MPRXCX-331-1X95	1 x 95	293	17.5	18.2	20.0	1060
MPRXCX-331-1X120	1 x 120	339	19.0	19.9	21.5	1350
MPRXCX-331-1X150	1 x 150	389	21.5	22.4	24.5	1640
MPRXCX-331-1X185	1 x 185	444	23.5	24.6	26.5	2010
MPRXCX-331-1X240	1 x 240	522	27.5	28.4	30.5	2560
MPRXCX-331-3X35	3 x 35	110	24.0	24.8	27.0	1380
MPRXCX-331-3X50	3 x 50	137	28.0	28.9	31.0	1900
MPRXCX-331-3X70	3 x 70	169	32.0	33.2	35.5	2850
MPRXCX-331-3X95	3 x 95	205	36.5	38.1	41.0	3790
MPRXCX-331-3X120	3 x 120	237	40.0	41.5	44.5	4680
MPRXCX-331-4X35	4 x 35	110	26.5	27.7	30.0	1910
MPRXCX-331-4X50	4 x 50	137	31.5	32.5	35.0	2670
MPRXCX-331-4X70	4 x 70	169	35.5	37.0	39.5	3620

MPRXCX® 331 0.6/1KV – CONTROL (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter Minimum (mm)	Outer Diameter Nominal (mm)	Outer Diameter Maximum (mm)	Approx. Weight. (kg / km)
MPRXCX-331-5X1.5	5 x 1.5	16	12.0	12.8	14.0	280
MPRXCX-331-7X1.5	7 x 1.5	12	13.5	14.3	15.5	370
MPRXCX-331-12X1.5	12 x 1.5	10	17.0	17.9	19.5	570
MPRXCX-331-19X1.5	19 x 1.5	9	20.0	20.7	22.5	790
MPRXCX-331-27X1.5	27 x 1.5	8	23.5	24.4	26.5	1100
MPRXCX-331-37X1.5	37 x 1.5	7	26.5	27.3	29.5	1380
MPRXCX-331-5X2.5	5 x 2.5	21	13.0	13.9	15.5	340
MPRXCX-331-7X2.5	7 x 2.5	16	15.0	15.8	17.5	480
MPRXCX-331-12X2.5	12 x 2.5	13	19.5	20.3	22.0	780
MPRXCX-331-19X2.5	19 x 2.5	11	22.5	23.4	25.5	1070
MPRXCX-331-27X2.5	27 x 2.5	10	27.0	27.9	30.0	1500

Minimum Bending Radius for Fixed Installations: MPRXCX® 331

Cable Diameter	6 x outer diameter
MPRXCX® 331 Flexiship®	5 x outer diameter

IEC 60092-350 SWITCHBOARD, HOOK UP & GROUNDING WIRE LSZH

Type: MX

Switchboard, Hook UP & Grounding Wire
Single conductor, 0.6/1KV

SPECIFICATIONS

1. CONDUCTOR: Flexible bare copper class 5
2. INSULATION: Halogen-free, Cross-linked Polyolefin Type HF 90
3. COLOURS: Black, Green/Yellow, Red, Blue, White

APPLICATIONS

MX® 0.6.1KV power wires are used for wiring switchboards, cabinets, control panels and various electrical enclosures. These highly flexible wires are designed with finely stranded conductors for easy connection. The halogen-free fire retardant insulation provides optimum safety for people and maximal asset protection against all risks of fire. Max conductor temperature: 90°C.

MX® 0.6/1KV – WIRING CABLES (CLASS 5 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm²)	Permissible Current Rating In Open Air (A)	Outer Diameter			Approx.Weight. (kg / km)
			Minimum (mm)	Nominal (mm)	Maximum (mm)	
MX-1X0.75	1 x 0.75	15	2.2	2.4	2.9	13
MX-1X1	1 x 1	16	2.3	2.5	3.0	16
MX-1X1.5	1 x 1.5	21	2.8	2.9	3.5	20
MX-1X2.5	1 x 2.5	28	3.2	3.4	4.0	30
MX-1X4	1 x 4	27	3.7	3.9	4.5	50
MX-1X6	1 x 6	48	4.2	4.4	5.2	70
MX-1X10	1 x 10	69	5.2	5.4	6.2	110
MX-1X16	1 x 16	91	6.6	6.8	7.6	170
MX-1X25	1 x 25	119	8.0	8.4	9.4	270
MX-1X35	1 x 35	148	9.4	9.8	11.0	370
MX-1X50	1 x 50	196	11.0	11.7	13.0	510
MX-1X70	1 x 70	238	13.0	13.5	15.0	710

COLOURS OF MX® 0.6/1KV PRODUCT

Number of Cores X Cross-Section (mm²)	Black	Yellow/Green	Red	Blue	White
1 x 0.75	X		X	X	X
1 x 1	X				
1 x 1.5	X	X	X	X	X
1 x 2.5	X	X	X	X	X
1 x 4	X				
1 x 6	X	X			
1 x 10	X	X			
1 x 16	X	X			
1 x 25	X	X			
1 x 35	X	X			
1 x 50	X	X			
1 x 70	X	X			

Colours of MX according to cable sizing show with "X"

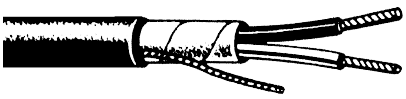
Minimum bending radius in fixed installations: MX®

Cable Diameter 4 x outer diameter

IEC 60092-350 INSTRUMENTATION LSZH

Type: TCX®C 331

Instrumentation, Braided Shield, Fire-Resistant Overall Shield, Twisted Pair, 150/250V



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper class 2
2. INSULATION: Mica tape + XLPE (cross-linked polyethylene)
3. INNER COVER: Lapped tape
4. OPTIONAL: Extruded inner covering
5. ARMOR: Bare copper braid
6. CORE IDENTIFICATION: Pair: white / blue with printed pair number
   Triad: white / blue / red with printed triad number
7. OVERALL JACKET: (Filler if necessary) polyolefin SHF1, jacket colour orange

APPLICATIONS

TCX®C 331 150/250V Fire-resistant braided shield twisted pair cables maintain circuit integrity in case of fire by meeting performances requirements from the IEC 60331 series for 90 minutes. These cables show a low transfer impedance in low frequency and an effective screening in high frequency, making them very suitable for polluted electromagnetic surroundings. TCX®C 331 cables are used for detection and warning systems where enhanced mechanical protection is required. Design with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risk of fire. Max conductor temperature: 90°C

TCX®C 331 150/250V – POWER (CLASS 2 STRANDING)

Anixter Number	Number of Cores X Cross-Section (mm^2)	Outer Diameter Minimum (mm)	Outer Diameter Nominal (mm)	Outer Diameter Maximum (mm)	Approx. Weight. (kg / km)
TCX-C-331-1PRX0.75	1 x 2 x 0.75	7.4	7.8	9.2	100
TCX-C-331-2PRX0.75*	2 x 2 x 0.75	8.4	8.7	10.5	140
TCX-C-331-4PRX0.75	4 x 2 x 0.75	12.0	12.7	15.0	250
TCX-C-331-7PRX0.75	7 x 2 x 0.75	15.0	15.7	18.5	410
TCX-C-331-10PRX0.75	10 x 2 x 0.75	17.5	18.4	21.5	560
TCX-C-331-14PRX0.75	14 x 2 x 0.75	20.0	20.7	24.0	690
TCX-C-331-19PRX0.75	19 x 2 x 0.75	22.5	23.6	27.5	880
TCX-C-331-24PRX0.75	24 x 2 x 0.75	25.0	26.2	30.0	1090
TCX-C-331-1TRX0.75	1 x 3 x 0.75	7.8	8.2	9.6	120
TCX-C-331-2TRX0.75	2 x 3 x 0.75	12.0	12.7	15.0	260
TCX-C-331-4TRX0.75	4 x 3 x 0.75	14.0	14.6	17.0	360
TCX-C-331-7TRX0.75	7 x 3 x 0.75	17.5	18.2	21.0	550
TCX-C-331-10TRX0.75	10 x 3 x 0.75	20.0	20.9	24.5	750
TCX-C-331-1PRX1.5	1 x 2 x 1.5	8.6	9.0	10.0	130
TCX-C-331-2PRX1.5*	2 x 2 x 1.5	9.8	10.3	11.5	190
TCX-C-331-4PRX1.5	4 x 2 x 1.5	15.0	15.8	17.5	380
TCX-C-331-7PRX1.5	7 x 2 x 1.5	18.0	19.0	20.5	560
TCX-C-331-10PRX1.5	10 x 2 x 1.5	21.5	22.6	24.5	790
TCX-C-331-14PRX1.5	14 x 2 x 1.5	24.5	25.4	27.5	990
TCX-C-331-19PRX1.5	19 x 2 x 1.5	28.0	29.0	31.0	1280
TCX-C-331-1TRX1.5	1 x 3 x 1.5	9.2	9.5	10.5	150
TCX-C-331-2TRX1.5	2 x 3 x 1.5	15.0	15.8	17.5	390
TCX-C-331-4TRX1.5	4 x 3 x 1.5	1635	17.5	19.0	500
TCX-C-331-7TRX1.5	7 x 3 x 1.5	21.0	22.1	24.0	770

MMinimum Bending Radius for Fixed Installations: TCX®C 331

Cable Diameter 6 x outer diameter

IEC COMMUNICATION CABLES LSZH

Type: CATEGORY 6 SF/UTP

Local Area Network 4 and 8 Pair (Dual 2 x 4 Pairs), 24 AWG

SPECIFICATIONS

1. CENTRAL CROSS
2. CONDUCTOR: Solid (or stranded) bare copper 24 AWG
3. INSULATION: Foam skin PE (polyethylene) diameter: 1.13 mm
4. COLLECTIVE SCREEN: Alu/polyester tape + tinned copper braid
5. CORE IDENTIFICATION: Pair 1: white / blue
   Pair 2: white / orange
   Pair 3: white / green
   Pair 4: white / brown
6. OVERALL JACKET: polyolefin SHF1, jacket colour orange

APPLICATIONS

SF/UTP Category 6 cables are the mid-range 250 MHz. Manufactured in accordance with ISO IEC 61156-5 requirements, the SF/UTP cable is the best choice to support all Class E applications like Ethernet, fast Ethernet, gigabit Ethernet. The Cat.6 SF/UTP cables are suitable for basic voice and data installations up to 250 MHz.

LOCAL AREA NETWORK (LAN) – SF/UTP CATEGORY 6

Cable Construction	Nominal Outer Diameter (mm)	Approx. Weight. (kg / km)	Minimum Bending Radius (mm)
CAT 6 4 Pairs	7.6	60	31
CAT 6 8 Pairs (DUAL)	15.2	120	31

Electrical Characteristics

Mutual capacitance	56 nF / km
Characteristic impedance	100 Ohm
Maximum conductor electrical resistance in DC at 20°C	80 Ohm/km

Transmission Characteristics

Skew	45 ns / 100 m
Velocity of propagation	67%
Coupling attenuation at 30 MHz	75 dB
Propagation delay (Max at 100 MHz)	537.6 ns / 100 m

IEC COMMUNICATION CABLES LSZH

Type: CATEGORY 7 S/FTP

Local Area Network 4 Pairs, 23 AWG

SPECIFICATIONS

1. CENTRAL CROSS
2. CONDUCTOR: Solid (or stranded) bare copper 23 AWG
3. INSULATION: Foam skin PE (polyethylene) diameter: 1.42 mm
4. LAYING UP: 4 pairs screened by individual Alu/polyester tape
5. SCREEN: Alu/polyester tape + tinned copper braid
6. CORE IDENTIFICATION: Pair 1: white / blue
   Pair 2: white / orange
   Pair 3: white / green
   Pair 4: white / brown
7. OVERALL JACKET: polyolefin SHF1, jacket colour orange

APPLICATIONS

S/FTP Category 7 cables are the high-end range 600 MHz. Manufactured in accordance with ISO IEC 61156-5 requirements, the SF/UTP cable is the best choice to support all Class F applications like Ethernet, fast Ethernet, gigabit Ethernet. The Cat.7 S/FTP cables are suitable for basic voice, data, CATV and sharing application installations up to 600 MHz.

LOCAL AREA NETWORK (LAN) – S/FTP CATEGORY 7

Cable Construction	Nominal Outer Diameter (mm)	Approx. Weight. (kg / km)	Minimum Bending Radius (mm)
CAT 7 4 Pairs	7.6	60	31

Electrical Characteristics

Mutual capacitance	45 nF / km
Characteristic impedance	100 Ohm
Maximum conductor electrical resistance in DC at 20°C	75 Ohm/km

Transmission Characteristics

Velocity of propagation	80%
Propagation delay (Max at 100 MHz)	537.6 ns / 100 m

LOCAL AREA NETWORK (LAN) – S/FTP CATEGORY 7

Frequency (MHz)	Attenuation	Near End Cross Talk	ACR*	PS NEXT*	Equal Level FEXT*	Power Sum Equal Level FEXT*	Return Loss (Ohm)
1	2.0	83.0	81.0	80.0	78.0	75.0	20.5
10	5.9	83.0	77.1	80.0	74.0	71.0	25.5
20	8.3	83.0	74.7	80.0	68.0	653.0	25.5
31.25	10.4	83.0	72.6	80.0	64.1	61.1	24.1
62.5	14.9	80.5	65.6	77.5	58.1	55.1	22.0
100	19.0	77.4	58.4	74.4	54.0	51.0	20.6
155	24.0	74.5	50.6	71.5	50.2	47.2	19.3
200	27.5	72.9	45.4	69.9	48.0	45.0	18.5
250	31.0	71.4	40.5	68.4	46.0	43.0	17.8
500	45.3	66.9	21.7	63.9	40.0	37.0	17.8
600	50.1	65.7	15.6	62.7	38.4	35.4	17.8

*ACR: Attenuation to Crosstalk Ratio (Headroom). It is the difference between NEXT and Attenuation.
*NEXT: Near End Cross Talk
*FEXT: Far End Cross Talk

IEC COMMUNICATION CABLES LSZH

Type: RG

Radio Frequency Cables, 50Ω / 75Ω
Single or Double Braid Screen

SPECIFICATIONS

1. CONDUCTOR: Solid or stranded
   TC: Tinned copper
   BC: Bare copper
   BCw: Bare copperweld
   SC: Silvered copper
   SPCCS: Silver-plated copper on steel
2. DIELECTRIC: Foam PE (polyethylene)
3. FIRE BARRIERS: Aluminum foil
4. SCREEN: Single or double braid - bare, tinned or silvered copper
5. OVERALL JACKET: polyolefin SHF1, jacket colour black

APPLICATIONS

High Frequency Data transmission (communication equipment, radar, instrumentation equipment and video signal transmission. COAX FLAMEX® cables show a high level of protection against electromagnetic interferences. Max conductor temperature: 70°C

COAX 50 Ω MIL 17

Cable Type	Conductor		Dielectric	Braid Wire	Outer Diameter (mm)	Approx. Weight. (kg / km)
	Stranding	Diameter (mm)	Diameter (mm)			
RG 58 CU	19 x 0.18 TC	0.90	3.0	TC	4.95 ± 0.20	40
RG 174 CU	7 x 0.16 BCw	0.48	1.55	TC	2.80 ± 0.15	10
RG 2123 CU	7 x 0.75 BC	2.25	7.30	BC	10.3 ± 0.20	157
RG 214 CU	7 x 0.75 SC	2.25	7.30	2 x SC	10.8 ± 0.20	195
RG 178 CU	7 x 0.10 SPCCs	0.30	0.90	SC	1.80 ± 0.10	7
RG 223 CU	1 x 0.90 SC	0.90	3.02	2 x SC	5.38 ± 0.15	55

COAX 75 Ω MIL 17

Cable Type	Conductor		Dielectric	Braid Wire	Outer Diameter (mm)	Approx. Weight. (kg / km)
	Stranding	Diameter (mm)	Diameter (mm)			
RG 6	1 x 1.0 BC	1.0	4.5	TC	7.1 ± 0.20	80
RG 59	1 x 0.57 BCw	0.57	3.75	BC	6.15 ± 0.15	53
RG 11	1 x 1.6 BC	1.6	7.2	TC	10.3 ± 0.20	135

Electrical Characteristics

	RG178	RG58	RG174	RG213	RG214	RG59	RG223	RG6	RG11
Capitance [pF / m]	100	100	100	100	100	100	100	100	100
Impedance at 200 MHz [Ω]	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2	75 ± 3	50 ± 2	75 ± 3	75 ± 3
Attenuation [dB / 100m]									
50 MHz	38	13	21	3	5	10	15	4.6	2.8
100 MHz	52	21	32	7	8	14	21	6.4	4.1
200 MHz	74	34	46	13	13	20	30	9	5.9
400 MHz	108	55	82	15	22	29	39	12.8	8.5
1000 MHz	170	91	147	29	39	52	68	20.8	14.3

Minimum Bending Radius for Fixed Installations: Coax FLAMEX®

Cable Diameter 10 x outer diameter

Notes:

4

AWG vs. MM² Comparison Sizing Chart

AWG VS. MM²

AWG	mm²	AWG	mm²
20	0.5	1/0	50
18	0.75	2/0	70
16	1.5	4/0	95
14	2.5	250	120
12	4	300	150
10	6	350	185
8	10	500	240
6	16	600	300
4	25	1000	500
2	35	2000	1000

International cable sizes are represented with mm² (unit of area) instead of AWG or kcmil.

MilSpec Fiber Optic Cables

5

MIL-PRF-85045 (LSZH)

Type: M85045

Thermoplastic or Thermoset Jacket Watertight, Low Smoke, Zero Halogen

APPLICATIONS

Type M85045 Fiber Optics can either be Multimode or Single Mode either a Thermoplastic or Thermoset Jacket type.
These fiber optic cables are suitable for watertight applications.

Anixter Number	Manufacturer Part Number	Overall Diameter mm	Jacket Type	Number of Fibers	Fiber Type	Minimal Bending Radius Installation IN (cm)	Minimal Bending Radius In-Service IN (cm)	Nominal Weight kg/km
M85045/16-01	OC-1468	.078 (2.0)	Thermooplastic	1	Multimode	1.2 (3.0)	.62 (1.6)	4.5
M85045/16-02	OC-1571	.078 (2.0)	Thermoplastic	1	Singlemode	1.2 (3.0)	.62 (1.6)	4.5
M85045/17-01P	OC-1434P	.440 (11.2)	Thermoset	8	Multimode	7.0 (18)	3.5 (9.0)	122
M85045/17-02P	OC-1462P	.440 (11.2)	Thermoset	8	Singlemode	7.0 (18)	3.5 (9.0)	122
M85045/18-01P	OC-1417P	.320 (8.1)	Thermoset	4	Multimode	5.0 (12.7)	2.5 (6.4)	62
M85045/18-02P	OC-1578P	.320 (8.1)	Thermoset	4	Singlemode	5.0 (12.7)	2.5 (6.4)	62
M85045/20-01M	OC-1540	.850 (21.6)	Thermoset	36	Multimode	13.6 (34.5)	6.8 (17.3)	437
M85045/20-02M	OC-1673	.850 (21.6)	Thermoset	36	Singlemode	13.6 (34.5)	6.8 (17.3)	437
M85045/21-01E	OC-1651	.560 (14.2)	Thermoset	8	Multimode	9.0 (23.0)	4.5 (11.4)	217
M85045/21-02E	OC1679	.560 (14.2)	Thermoset	8	Singlemode	9.0 (23.0)	4.5 (11.4)	217
M85045/22-01E	OC-1680	.570 (14.5)	Thermoplastic	18	Multimode	9.0 (23.0	4.5 (11.4)	195
M85045/22-02E	OC-1652	.570 (14.5)	Thermoplastic	18	Singlemode	9.0 (23.0	4.5 (11.4)	195
M85045/23-01	OC-1681	.700 (17.8)	Thermoset	18	Multimode	11.2 (28.5)	5.6 (14.0)	323
M85045/23-02	OC-1653	.700 (17.8)	Thermoset	18	Singlemode	11.2 (28.5)	5.6 (14.0)	323
M85045/24-01	OC-1682	1.53 (38.9)	Thermoset	90	Multimode	24.6 (62.5)	12.3 (31.2)	1340
M85045/24-02	OC-1654	1.53 (38.9)	Thermoset	90	Singlemode	24.6 (62.5)	12.3 (31.2)	1340

Cables are listed on Qualified Products List MIL-PRF-85045 (QPL) Defense Supply Center, Columbus-United States Department of Defence

Type: M85045F

Blown Optical Fiber Technology

Anixter Number	Manufacturer Part Number	QPL Status	Description	Jacket Type	Intended Use
M85045/25-01E	OC-1715 (Lt Blue Jkt)	QPL	7-8 mm Tubes	Thermoset	Blolite® BOF System
M85045/25-01E	OC-1598 (Blk Jkt)	QPL	7-8 mm Tubes	Thermoset	Blolite® BOF System
M85045/26-01E	OC-1717 (Lt. Blue Jkt)	QPL	1-8 mm Tubes	Thermoset	Blolite® BOF System
M85045/26-01E	OC-1597 (Blk Jkt)	QPL	1-8 mm Tubes	Thermoset	Blolite® BOF System

Note: 'E' indicates enhanced thermoset jacket
BOF = Blown Optical Fiber

MIL-PRF-494291

Type: M494291C

Blown Optical Fiber Technology

Anixter No.	Manufacturer Part Number	Outer Diameter	Fiber Type	Intended Use
M49291/6-05	OC-062H-BF-XXXX* (QPL)	500 +/- 25um	Multimode	Blolite® BOF System
M49291/7-02	OC-009S-BF-XXXX* (QPL)	500 +/- 25um	Singlemode	Blolite® BOF System

XXXX indicates color of blown optical fiber outer coating

*Blown optical fiber outer coating is available in standard colors: Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

Fiber Characteristics	MIL-PRF-49291C/7-02 Singlemode	MIL-PRF-49291C/6-05 Multimode 62.5/125
Intended use	Blown Optical Fiber	Blown Optical Fiber
Type	Matched Clad	Graded Index
Mode Field Diameter	9.2 ± .4 @ 1310 nm	N/A
Core Diameter	8.3 µm nominal	6.25 ± 3 µm
Cladding Diameter	125 ± 1 µm	125 ± 1 µm
Coating Diameter #1	250 ± 15 µm	250 ± 15 µm
Coating Diameter #2	500 ± 25 µm	500 ± 25 µm
Coating Clad. Conc. Error	<10.5 µm	<10.5 µm
Overall Core-Clad Ratio	>0.84 µm	>0.84 µm
Attenuation:		
850 nm	N/A	3.5 dB/km
1300 nm	N/A	1.0 dB/km
1310 nm	.4 dB/km	N/A
1550 nm	.3 dB/km	N/A
Bandwidth (overfill):		
850 nm	N/A	>300 MHz-km
1300 nm	N/A	>600 MHz-km
Bandwidth (RML/EMB):		
850 nm	N/A	>385 MHz-km
1300 nm	N/A	>700 MHz-km
Dispersion		
	≤3.2 ps/nm – km @ 1310	N/A
	≤22 ps/nm – km @ 1550	N/A
Proof Test	100 kpsi (690 MPa)	100 kpsi (690 MPa)

Notes:

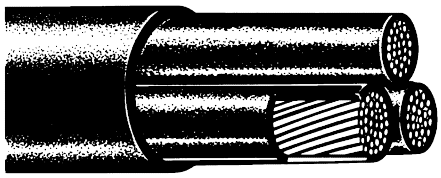
6

Ship to Shore Cable

SHIP TO SHORE POWER CABLE

THOF-500E

Ship-to-Shore Power, Three Conductor, 600 Volts/2000 Volts, 90°C



SPECIFICATIONS

1. CONDUCTOR: 500 kcmil tinned, coated copper, bunched wires, rope-lay-stranded per ASTM B33 and ASTM B172
2. INSULATION: Ethylene Propylene Rubber (EPR)
3. INNER JACKET: Heavy-duty black Chlorinated Polyethylene (CPE)
4. REINFORCEMENT: Two reverse/open wraps of Polypropylene filament
5. CORE IDENTIFICATION: Black, White, Red
6. OVERALL JACKET: Extra heavy duty black Chlorinated Polyethylene (CPE)

Applications

Ship-to-shore power cords are for use when connecting a ship to shore power. This saves from having to rely on generator power only. These cords are ideal for replacement shore power cords in harsh environments. They are also perfect for custom cords. They are for use where the highest degree for oil resistance and extended service life are essential. Ship-to-shore cord is designed to resist moisture, acids, alkali, ozone, and oil. Max conductor temperature: 90°C

Please contact your local Anixter Rep. for Wiring Devices to fit the selected Ship to Shore cables.

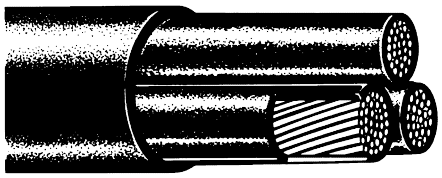
THOF-500 600 VOLTS / 2000 VOLTS – SHIP-TO-SHORE POWER

Anixter No.	Number of Cores (c) X AWG/kcmil	Nominal Overall Diameter Inches (mm)	Nominal Cable Weight LBS/1000 ft (kg/km)	Copper Weight LBS/1000 ft (kg/km)
THOF-500E	3C x 500 kcmil	2.88 (73.15)	8147 (12124)	4761 (7085)

SHIP TO SHORE POWER CABLE LSZH

Type: EZ

Ship-to-Shore Power, Multiconductor
0.6/2KV, 90°C



SPECIFICATIONS

1. CONDUCTORS: Finley stranded annealed copper to IEEE 1580. Available in plain or tinned copper.
2. INSULATION: Cross-linked, Thermoset, Elastomeric
3. CORE IDENTIFICATION: 1 Core: Black
   2 Cores: Black, White
   3 Cores: Black, White, Red
   4 Cores: Black, White, Red, Green
   5 Cores: Black, White, Red, Green, Orange
   >5C: Black numbers on White insulation
4. OVERALL JACKET: Low Friction E-Rubber S-20, Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Jacket color Yellow, other colors available upon request.

APPLICATIONS

Ship-to-shore power cords are for use when connecting a ship to shore power. This saves from having to rely on generator power only. These cords are ideal for replacement shore power cords in harsh environments. They are also perfect for custom cords. They are for use where the highest degree for oil resistance and extended service life are essential. Ship-to-shore cord is designed to resist moisture, acids, alkali, ozone, and oil. Max conductor temperature: 110°C.

Please contact your local Anixter Rep. for Wiring Devices to fit the selected Ship to Shore cables.

EZ 0.6/2 KV – SHIP TO SHORE (CLASS 6 STRANDING)

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Braid (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
EZA-1001C	1c 10	0.18	0.280	54	60
EZA-0801C	1c 8	0.24	0.345	68	91
EZA-0601C	1c 6	0.28	0.385	88	129
EZA-0401C	1c 4	0.33	0.435	118	184
EZA-0201C	1c 2	0.39	0.495	156	269
EZA-0101C	1c 1	0.45	0.585	180	354
EZA-101C	1c 1/0	0.49	0.625	207	430
EZA-201C	1c 2/0	0.54	0.675	240	526
EZA-301C	1c 3/0	0.59	0.725	278	644
EZA-401C	1c 4/0	0.67	0.800	324	784
EZA-2621C	1c 262	0.76	0.935	378	1019
EZA-3131C	1c 313	0.79	0.970	423	1196
EZA-3731C	1c 373	0.85	1.025	474	1393
EZA-4441C	1c 444	0.92	1.105	546	1601
EZA-5351C	1c 535	1.02	1.205	579	1951
EZA-6461C	1c 646	1.10	1.280	671	2288
EZA-7771C	1c 777	1.11	1.380	755	2762
EZA-11111C	1c 1111	1.45	1.630	942	3883
EZA-1602C	2c 16	0.12	.0350	18	57
EZA-1402C	2c 14	0.14	0.380	27	73
EZA-1202C	2c 12	0.16	0.415	36	94
EZA-1002C	2c 10	0.18	0.465	46	128
EZA-0802C	2c 8	0.24	0.630	60	219
EZA-0602C	2c 6	0.28	0.710	79	306
EZA-0402C	2c 4	0.33	0.810	101	430
EZA-0202C	2c 2	0.39	0.975	137	662
EZA-0102C	2c 1	0.45	1.085	161	822
EZA-102C	2c 1/0	0.49	1.165	183	992

SHIP TO SHORE POWER CABLE LSZH

Type: EZ

Ship-to-Shore Power, Multiconductor
0.6/2KV, 90°C

Anixter Number	Number of Cores (c) X AWG/kcmil	Nominal OD Over Braid (Inches)	Nominal Overall Diameter (Inches)	Ampacity At 90°C (Amps)	Approx. Weight. (lbs / kft)
EZA-1603C	3c 16	0.12	0.370	15	70
EZA-1403C	3c 14	0.14	0.400	24	91
EZA-1203C	3c 12	0.16	0.440	29	121
EZA-1003C	3c 10	0.18	0.495	38	168
EZA-0803C	3c 8	0.24	0.665	48	286
EZA-0603C	3c 6	0.28	0.750	65	406
EZA-0403C	3c 4	0.33	0.905	83	617
EZA-0203C	3c 2	0.39	1.030	111	896
EZA-0103C	3c 1	0.45	1.155	131	1118
EZA-103C	3c 1/0	0.49	1.240	150	1359
EZA-203C	3c 2/0	0.54	1.345	173	1663
EZA-303C	3c 3/0	0.59	1.455	201	2037
EZA-403C	3c 4/0	0.67	1.615	232	2489
EZA-2623C	3c 262	0.76	1.880	273	3237
EZA-3133C	3c 313	0.79	1.955	298	3792
EZA-3733C	3c 373	0.85	2.070	332	4418
EZA-4443C	3c 444	0.92	2.240	382	5087
EZA-5353C	3c 535	1.02	2.450	407	6203
EZA-6463C	3c 646	1.10	2.610	474	7274
EZA-7773C	3c 777	1.11	2.895	516	8961
EZA-1604C	4c 16	0.12	0.400	15	85
EZA-1404C	4c 14	0.14	0.435	24	112
EZA-1204C	4c 12	0.16	0.480	29	151
EZA-1004C	4c 10	0.18	0.575	38	230
EZA-0804C	4c 8	0.24	0.725	48	359
EZA-0604C	4c 6	0.28	0.820	65	516
EZA-0404C	4c 4	0.33	0.985	83	785
EZA-0204C	4c 2	0.39	1.130	111	1148
EZA-0104C	4c 1	0.45	1.265	131	1437
EZA-104C	4c 1/0	0.49	1.360	150	1753
EZA-204C	4c 2/0	0.54	1.480	173	2151
EZA-304C	4c 3/0	0.59	1.600	201	2642
EZA-404C	4c 4/0	0.67	1.850	232	3347
EZA-2624C	4c 262	0.76	2.065	273	4189
EZA-3134C	4c 313	0.79	2.150	298	4921
EZA-3734C	4c 373	0.85	2.285	332	5744
EZA-4444C	4c 444	0.92	2.470	382	6619
EZA-5354C	4c 535	1.02	2.705	407	8085
EZA-6464C	4c 646	1.10	2.955	474	9678
EZA-7774C	4c 777	1.11	3.195	516	11679
EZA-1605C	5c 16	0.12	0.435	12	102
EZA-1405C	5c 14	0.14	0.480	19	135
EZA-1205C	5c 12	0.16	0.560	23	200
EZA-1005C	5c 10	0.18	0.630	30	279
EZA-0805C	5c 8	0.24	0.800	38	438
EZA-0605C	5c 6	0.28	0.950	52	672
EZA-0405C	5c 4	0.33	1.085	66	961
EZA-0205C	5c 2	0.39	1.250	89	1414
EZA-0105C	5c 1	0.45	1.400	105	1772
EZA-105C	5c 1/0	0.49	1.510	120	2166

7

Military Spec Marine Cables

Section 7 Military Spec Marine Cables

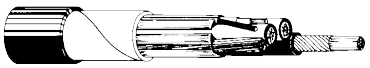
Section 7 Military Spec Marine Cables

MIL-C-24643 (LOW-SMOKE)

Type: LSCVSF-4

MIL-C-24643/1

4 Conductors, 600 Volts, Non-watertight, Flexing service



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Four conductors, one uninsulated, separator and ethylene propylene rubber
3. IDENTIFICATION: Standard identification code by Method 3
4. ASSEMBLY: Insulated conductors cabled with uninsulated conductor in one valley, fillers, binder
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket

APPLICATIONS

Type LSCVSF-4 Cable is a multiconductor, oil-resistant construction suitable for flexing service.
It may be used in power and lighting applications. This cable is suitable for non-watertight applications and should not be used to penetrate a watertight deck or bulkhead.

Anixter Number	Military Part Number	Conductor Size AWG	Number of Conductors	Overall Diameter Max. IN	Amps Per Conductor Max.		Approx. Weight. Lbs. Ft.
					40 C	50 C	
LSCVSF-4	-01UN	3 (class K) 5 (class K)	3 1	1.45	100	75	1.328

MIL-C-24643 (LOW-SMOKE)

Type: LCDCOP AND LSTCOP

MIL-C-24643/2
2 and 3 Conductors, 300 Volts, Non-watertight, Flexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 3
4. ASSEMBLY: Two or three conductors cabled with fillers, tie cord
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

Both the LSDCOP and LSTCOP cables are oil-resistant, portable cord type constructions suitable for flexing service. They may be used in electronic, communications and instrumentation applications except where unusual circuit parameters require a special type of cable. These cables are not watertight and shall be used only for runs within one compartment or within contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

Anixter No.	Military Part Number M24643/2	Conductor Size AWG	Number of Conductors	Cabling Lay Max. IN	Overall Diameter		Voltage Withstand Mins. Volts	Cond. Resist. 1,000 Ft. Max OHMS	Approx. Weight. Lbs. Ft.
					Mix. IN	Max. IN			
LSDCOP-1	-01UN	20 (class K)	2	1	.235	.250	1,000	11.42	.031
LSDCOP-1/1-2	-02UN	18 (class K)	2	3/8	.300	.315	1500	13.00	.050
LSDCOP-2	-03UN	18 (class K)	2	2	.310	.330	1500	7.16	.052
LSTCOP-2	-04UN	18 (class K)	3	2	.325	.345	1500	7.16	.052

MIL-C-24643 (LOW-SMOKE)

Type: LSSHOF, LSDHOF, LSTHOF, LSFHOF

MIL-C-24643/3

1 through 4 Conductors, 600 Volts, Non-watertight, Flexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper with separator
2. INSULATION: Ethylene propylene rubber
3. IDENTIFICATION: Standard identification code by Method 3 or 4
4. REINFORCEMENT: Reinforcement on SHOF sizes 23 and larger
5. ASSEMBLY: The required number of conductors cabled with fillers and binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

Type HOF cables are multiconductor oil-resistant constructions suitable for flexing service. They may be used in power and lighting applications. These cables are suitable for non-watertight applications and should not be used to penetrate a watertight deck or bulkhead.

Anixter Number	Military Part Number M24643/3	Conductor Size AWG		Number of Conductors	Insulation Thickness IN	Overall Diameter		Amps Per Conductor		Approx. Weight. Lbs. Ft.
		Navy Standard	AWG			Mix. IN	Max. IN	40 C	50 C	
LSSHOF-3	-01UN		16 (Class M)	1	.031	.031	.210	20	28	027
LSSHOF-23	-02UN		7 (Class G)	1	.040	.040	.460	88	80	.143
LSSHOF-60	-03UN	60 (304)		1	.050	.050	.600	162	153	.341
LSSHOF-150	-04UN	150 (760)		1	.070	.070	.870	285	263	.769
LSSHOF-200	-05UN	200 (988)		1	.070	.070	.980	323	306	.966
LSSHOF-250	-06UN	250 (1254)		1	.070	.070	1.085	397	362	1.318
LSSHOF-500	-07UN		500MCM (CL.G)	1	.090	.090	1.450	602	578	2.585
LSSHOF-650	-08UN		650MCM (CL.G)	1	.100	.100	1.610	698	658	3.090
LSSHOF-800	-09UN		16 (Class K)	1	.100	.100	1.670	803	732	3.306
LSDHOF-3	-10UN		14 (Class K)	2	.031	.031	.425	23	21	.101
LSDHOF-4	-11UN		12 (Class K)	2	.031	.031	.460	30	28	.117
LSDHOF-6	-12UN		10 (Class K)	2	.031	.031	.510	41	37	.150
LSDHOF-9	-13UN	800 (4033)		2	.031	.031	.570	50	45	.172
LSDHOF-14	-14UN		7 (Class G)	2	.040	.040	.705	60	54	.293
LSDHOF-23	-15UN		5 (Class K)	2	.040	.040	.860	80	72	.395
LSDHOF-30	-16UN	14 (140)		2	.050	.050	.960	90	83	.690
LSDHOF-83	-17UN	83 (418)		2	.070	.070	1.450	169	152	1.359
LSDHOF-250	-18UN	250 (1254)		2	.070	.070	2.100	322	287	2.811
LSDHOF-400	-19UN	400 (2052)		2	.090	.090	2.500	422	382	4.532
LSTHOF-3	-20UN		16 (Class K)	3	.031	.031	.450	19	17	.094
LSTHOF-4	-21UN		14 (Class K)	3	.031	.031	.480	25	23	.136
LSTHOF-6	-22UN		12 (Class K)	3	.031	.031	.550	33	31	.179
LSTHOF-9	-23UN		10 (Class K)	3	.031	.031	.600	38	34	.201
LSTHOF-14	-24UN	14 (140)		3	.031	.031	.750	50	46	.346
LSTHOF-23	-25UN		7 (Class G)	3	.040	.040	.900	70	64	.506
LSTHOF-42	-26UN	42 (209)		3	.070	.070	1.250	93	86	.986
LSTHOF-150	-27UN	150 (760)		3	.070	.070	1.820	197	180	2.479
LSTHOF-250	-28UN	250 (1254)		3	.070	.070	2.240	287	264	3.872
LSTHOF-400	-29UN	400 (2052)		3	.090	.090	2.800	400	365	6.128
LSTHOF-500	-30UN		500MCM (CL.K)	3	.090	.090	3.100	500	450	7.313
LSTHOF-600	-31UN		600MCM (CL.K)	3	.100	.100	3.150	600	550	7.873
LSFHOF-3	-32UN		16 (Class K)	4	.031	.031	.480	17	16	.130
LSFHOF-4	-33UN		14 (Class K)	4	.031	.031	.520	23	21	.165
LSFHOF-9	-34UN		10 (Class K)	4	.031	.031	.630	36	34	.281
LSFHOF-42	-35UN	42 (209)		4	.070	.070	1.300	79	73	1.210
LSFHOF-60	-36UN	60 (304)		4	.070	.070	1.430	95	80	1.550
LSFHOF-133	-37UN	133 (684		4	.070	.070	1.920	163	148	2.863

MIL-C-24643 (LOW-SMOKE)

Type: LSMCOS

MIL-C-24643/4
Multiconductor, Shielded, 600 Volts, Non-watertight, Flexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene

Sizes 2, 4, 7: Single conductors, special identification code by Method 3. The required number of conductors cabled with fillers, center of glass in size 7. Binder, braided, uncoated copper shield. Separator, cross-linked polyolefin jacket.

Size 5: One shielded pair (black/white) and three singles (red, green, blue). Colour coded by Method 3, cabled with fillers, binder, cross-linked polyolefin LSZH jacket.

Size 6: Two shielded pairs (black/white, blue/red) and two singles (yellow, green), colour coded by Method 3, cabled with fillers, binder, cross-linked polyolefin jacket.

APPLICATIONS

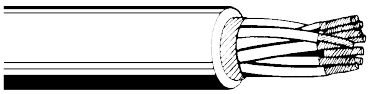
Type MCOS cables are oil-resistant portable cord type constructions suitable for flexing service. They may be used in electronic, communications and instrumentation applications except where unusual circuit parameters require a special type of cable. These cables are not watertight and shall be used only for runs within one compartment or within contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

Anixter No.	Military Part Number M24643/4	Conductor Size AWG	No. of Cond.	Insul. Thick. IN	Overall Diameter		Voltage Withstand		Insulation Resist. Per 100 Ft. Min. Megaohms	Cond. Resist. Per 1,000 Ft. Max. Ohms	Approx. Wt. Lbs. Ft.
					Mix. IN	Max. IN	Cond. to Cond. Min. Volts	Shield to Grd. Min. Volts			
LSMCOS-2	-01UO	18 (Class K)	2	.023	.440	.460	2000	1500	200	6.96	.130
LSMCOS-4	-02UO	18 (Class K)	4	.023	.490	.510	2000	1500	200	6.96	.167
LSMCOS-5	-03UN	20 (Class K)	5	.013	.375	.390	1,000	500	100	11.28	.0.91
LSMCOS-6	-04UN	20 (Class K)	6	.013	.460	.480	1,000	1500	100	11.27	.102
LSMCOS-7	-05UO	18 (Class K)	7	.023	.575	.592	2000	1500	200	6.96	.237

MIL-C-24643 (LOW-SMOKE)

Type: LSMDU, LSMDY

MIL-C-24643/5 and 6
19 Conductor, 600 Volts, Watertight, Non-flexing Service



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper, optional separator
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 1
4. ASSEMBLY: Nineteen conductors cabled consecutively with fillers and binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
6. LSMDY same construction as LSMDU except overall braided metal armor with overall cross-linked polyolefin; change to /6 for LSMDY

APPLICATIONS

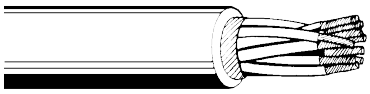
Type LSMDU and LSMDY cables are frequently used as degaussing type cables when magnetic fields are of concern.

Anixter Number	Military Part Number M24643/5	Conductor Size AWG	Insul. Thick. IN	Overall Jacket Thickness IN	Nominal O.D. IN	Insulation Resist. Per 100 Ft. Min. Megaohms	Cond. Resist. Per 1,000 Ft. Max. Ohms	Approx. Wt. Lbs. Ft.
LSMDU-6	-01UN	12 (Class B)	.030	.060	1.000	100	1.730	1.143
LSMDU-14	-02UN	9 (Class B)	.045	.060	1.395	100	.868	1.783
LSMDU-23	-03UN	7 (Class B)	.060	.075	1,765	100	.598	2.566
LSMDU-40	-04UN	4 (Class C)	.060	.075	2.040	90	.273	4.191
LSMDU-60	-05UN	2 (Class D)	.060	.075	2.330	75	.172	5.843
LSMDY-6	-01AN	12 (Class B)	.028	.060	1.190	100	1.715	1.360
LSMDY-14	-02AN	9 (Class B)	.040	.060	1.570	100	.859	2.041
LSMDY-23	-03AN	7 (Class B)	.052	.075	1,960	100	.542	2.978
LSMDY-40	-04AN	4 (Class C)	.052	.075	2.240	90	.270	4.480
LSMDY-60	-05AN	2 (Class D)	.052	.075	2.525	73	.171	6.471

MIL-C-24643 (LOW-SMOKE)

Type: LSMHOF

MIL-C-24643/7
7 to 61 Conductors, 600 Volts, Non-watertight, Flexing Service, 16 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 1
4. ASSEMBLY: The required number of conductors cabled consecutively with fillers, binder tape
5. OVERALL JACKEAT: Cross-linked polyolefin LSZH jacket

APPLICATIONS

Type LSMHOF cables are multiconductor oil-resistant constructions suitable for flexing service.

They may be used in control applications for interconnection of weapons and electronic systems, except where unusual circuit parameters require a special type of cable. These cables are not watertight and shall be used only for runs within one compartment or within contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

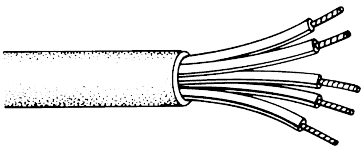
Anixter No.	Military Part Number M24643/7	Number of Conductors	Overall Diameter		Amps Per Conductor		Approx. Wt. Lbs. Ft.
			Mix. IN	Max. IN	40 C	50 C	
LSMHOF-7	-01UN	7	.465	.500	11/7*	9/6*	.164
LSMHOF-10	-02UN	10	.540	.585	11/7	9/6	.224
LSMHOF-14	-03UN	14	.585	.635	11/7	9/6	.290
LSMHOF-19	-04UN	19	.650	.705	11/7	9/6	.360
LSMHOF-24	-05UN	24	.735	.795	11/7	9/6	.457
LSMHOF-30	-06UN	30	.775	.835	11/7	9/6	.541
LSMHOF-37	-07UN	37	.855	.925	11/5	9/4	.674
LSMHOF-44	-08UN	44	.925	1.000	11/4	9/3	.771
LSMHOF-61	-09UN	61	1.100	1.175	11/3	9/2	1.125

*Ind/Avg. indicates the maximum current per conductor (ind.) and the maximum current (avg.) per conductor when all conductors in the cable are used.

MIL-C-24643 (LOW-SMOKE)

Type: LSMMOP

MIL-C-24643/8
5 Conductors, 300 Volts, Non-watertight, Flexing Service, 24 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 3
4. ASSEMBLY: Five conductors cabled consecutively around a central tie cord with fillers and binder polyester table or braid
5. OVERALL JACKEAT: Cross-linked polyolefin LSZH jacket

APPLICATIONS

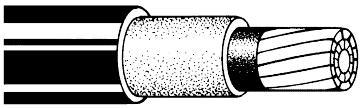
Type LSMMOP cable is a multiconductor construction suitable for flexing service. This cable may be used for the interconnection of electronic systems such as microphone circuits or for portable applications except where unusual circuit parameters require a special type of cable. This cable is not watertight and shall be used only for runs within one compartment or within contiguous compartments. It shall not be used to penetrate a watertight deck or bulkhead.

Anixter Number	Military Part Number M24643/8	Number of Conductors	Insulated Conductor Min. IN.	Nominal O.D IN	Approx. Wt. Lbs. Ft.
LSMMOP-5	-01UN	5	.065	.305	.059

MIL-C-24643 (LOW-SMOKE)

Type: LSSSF-300

MIL-C-24643/11
One Conductor, 600 Volts, Non-watertight, Flexing Service



SPECIFICATIONS

1. CONDUCTOR: Stranded, bare, hard-drawn coffer with separator
2. INSULATION: Ethylene propylene rubber
3. REINFORCEMENT: Optional reinforcement
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, bonded to underlying insulation

APPLICATIONS

Type LSSSF-300 cable is a single conductor special purpose cable. It is non-watertight and shall be used only for runs within on compartment or within contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

Anixter No.	Military Part Number M24643/11	Conductor Size AWG	Overall Diameter		Approx. Wt. Lbs. Ft.
			Mix. IN	Max. IN	
LSSSF-300	-01UN	300 MCM (Class G)	1.020	1.100	1.287

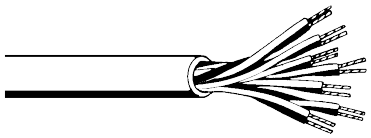
After part number use; “SJ” for steel, “AJ” for aluminum, (e.g. 7TJ-1012AJ, 7TJ-3502AJ).

Diameters and weights may vary among manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LSTTOP

MIL-C-24643/12
3 through 15 Pairs, 300 Volts, Non-watertight, Flexing Service, 20 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. IDENTIFICATION: Telephone identification code by Method 3
4. PAIRS: Two conductors cabled to form pair
5. ASSEMBLY: The required number of pairs cabled consecutively with fillers and binder tape
6. OVERALL JACKEAT: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

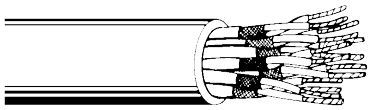
Type LSTTOP cables are unshielded multipair constructions suitable for non-watertight flexing service. They may be used to interconnect audio, telephone, call bell, announcing and alarm systems. They may also be used for other interior communications and weapon control systems providing the ampere rating of the cable and voltage drop for the system are not exceeded.

Anixter Number	Military Part Number M24643/8	Number of Pairs	Overall Jacket Thickness IN	Nominal O.D IN	Approx. Wt. Lbs. Ft.
LSTTOP-3	-01UN	3	.060	.480	.113
LSTTOP-5	-02UN	5	.060	.590	.154
LSTTOP-10	-03UN	10	.060	.700	.259
LSTTOP-15	-04UN	15	.060	.830	.383

MIL-C-24643 (LOW-SMOKE)

Type: LSTTRS, LSTTRSA

MIL-C-24643/13
2 through 16 Shielded Pairs, 300 Volts, Non-watertight, Flexing Service, 20 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. PAIRS: One black and one white or natural conductor cabled to form pair
4. SHIELD: Braided, uncoated or tin-coated copper shield
5. SHIELD INSULATION: Two polyester tapes
6. IDENTIFICATION: Standard identification code by Method 2
7. ASSEMBLY: The required number of shielded pairs cabled consecutively with fillers and binder tape
8. OVERALL JACKEAT: Cross-linked polyolefin LSZH jacket, surface marking. LSTTRSA, same construction with overall braided aluminum armor

APPLICATIONS

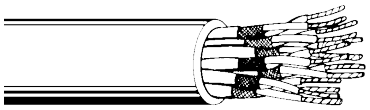
These individually shielded multipair cables may be supplied either armored or unarmored. They are non-watertight flexing service constructions suitable for electronic radio frequency applications. They may be used for applications up to two megahertz. The maximum total copper operating temperature must not exceed 75°C.

Anixter No.	Military Part Number M24643/8	Number of Shielded Pairs	Nominal O.D				Approximate Weight	
			Type LSTTRS		Type LSTTRSA		Type LSTTRS Lbs./Ft.	Type LSTTRSA Lbs./Ft.
			Min IN.	Max IN.	Min IN.	Max IN.		
LSTTRS/A-2	-01UN	2	.629	.680	.679	.730	.233	.297
LSTTRS/A-4	-02UN	4	.685	.740	.735	.790	.280	.394
LSTTRS/A-6	-03UN	6	.814	.880	.864	.930	.388	.470
LSTTRS/A-8	-04UN	8	.916	.980	.966	1.040	.474	.521
LSTTRS/A-10	-05UN	10	.999	1.080	1.049	1.130	.561	.557
LSTTRS/A-12	-06UN	12	1.017	1.100	1.067	1.150	.611	.608
LSTTRS/A-12	-07UN	16	1.100	1.100	1.100	1.100	.723	.764

MIL-C-24643 (LOW-SMOKE)

Type: LSTTRS, LSTTRSA

MIL-C-24643/14
Single Conductor, 1,000 Volts, Watertight, Non-flexing Service



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Silicone rubber – glass tape insulation (optional binder)
3. OVERALL JACKEAT: Cross-linked polyolefin LSZH jacket, surface marking
4. AMPACITY: Calculated at 60Hz AC (rms) or DC for 75°C conductor temperature

APPLICATIONS

Type LSSSGU/A cables are single conductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting or weapon control system intercommunication, except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

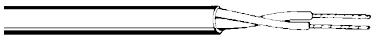
Anixter Number	Military [1]/ Part Number M24643/19	Conductor Size AWG	Nominal O.D		Diameter Overall Insulation IN	Overall Jacket Thickness IN	Amps Per Conductor Max.		Approximate Weight	
			LS6SGU Max. IN	LS6SGA Max. IN			40 C	50 C	LSTTRS Lbs./Ft.	LSTTRSA Lbs./Ft.
LS6SGU/A-3	-01UN	0 (Class D)	1.600	1.650	.453	.060	136	127	2.820	2.919
LS6SGU/A-4	-02UN	00 (Class D)	1.790	1.840	.507	.060	160	147	3.490	3.600
LS6SGU/A-9	-03UN	000 (Class D)	1.960	2.010	.557	.060	188	173	4.339	4.468
LS6SGU/A-14	-04UN	0000 (Class D)	2.200	2.250	.634	.075	219	202	5.479	5.613

1/ Change UN to AN for LS6SGA

MIL-C-24643 (LOW-SMOKE)

Type: LSDSGU, LSDSGA

MIL-C-24643/15
2 Conductors, 1,000 Volts, Watertight, Non-flexing Service



SPECIFICATIONS

Sizes 3-23 AWG:

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Extruded silicone rubber
3. COVER: Glass braid
4. IDENTIFICATION: Standard identification code by Method 1
5. ASSEMBLY: Two conductors cabled with fillers and binder or combination binder/barrier
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

Sizes 50-400: Same construction except silicone rubber – glass tape insulation, no glass braid or braid covering. Letter identification code by Method 5. LSDSGA, same construction with overall braided aluminum armor.

APPLICATIONS

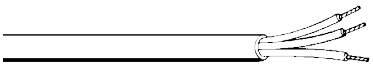
Type LSDSGU/A cables are two conductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

Anixter Number	Military Part Number	Conductor Size		Nominal O.D		Diameter Overall Insulation IN	Overall Jacket Thickness IN	Amps Per Conductor		Approximate Weight	
	M24643/15	Navy Stand.	AWG	LSDSGU Max. IN	LSDSGA Max. IN			40 C	50 C	LSDSGU Lbs./Ft.	LSDSGA Lbs./Ft.
LSDSGU/A-3	-01UN		16 (Class B)	.391	.441	.130	.030	13	12	.081	.109
LSDSGU/A-4	-02UN		14 (Class B)	.427	.477	.143	.030	22	20	.100	.133
LSDSGU/A-9	-03UN		10 (Class B)	.544	.594	.187	.040	44	41	.180	.230
LSDSGU/A-14	-04UN		9 (Class B)	.670	.720	.262	.040	60	55	.245	.297
LSDSGU/A-23	-05UN		7 (Class B)	.781	.831	.310	.050	78	72	.363	.410
LSDSGU/A-50	-06UN		3 (Class C)	.911	.961	.334	.050	126	116	.681	.740
LSDSGU/A-75	-07UN		1 (Class C)	1.074	1.124	.407	.050	168	155	1.018	1.086
LSDSGU/A-100	-08UN		0 (Class D)	1.167	1.217	.453	.050	199	183	1.217	1.289
LSDSGU/A-200	-09UN		0000 (Class D)	1.583	1.633	.634	.060	308	284	2.360	2.458
LSDSGU/A-300	-10UN		300 MCM	1.841	1.891	.748	.075	413	380	3.213	3.326
LSDSGU/A-400	-11UN	400 (127)		2.069	2.119	.862	.075	492	453	4.282	4.408

MIL-C-24643 (LOW-SMOKE)

Type: LSTSGU, LSTSGA

MIL-C-24643/16
3 Conductors, 1,000 Volts, Watertight, Non-flexing Service



SPECIFICATIONS

Sizes 3-23 AWG:

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Extruded silicone rubber
3. COVER: Glass braid
4. IDENTIFICATION: Standard identification code by Method 1
5. ASSEMBLY: Three conductors cabled with filled and binder or combination binder/barrier
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

Sizes 50-400: Same construction except silicone rubber – glass tape insulation, no glass braid or braid covering. Letter identification code by Method 5. LSTSGA, same construction with overall braided aluminum armor.

APPLICATIONS

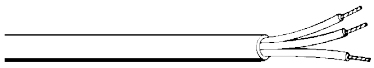
Type LSTSGU/A cables are three conductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

Anixter Number	Military Part Number M24643/16	Conductor Size		Nominal O.D		Diameter Overall Insulation IN	Overall Jacket Thickness IN	Amps Per Conductor		Approximate Weight	
		Navy Stand.	AWG	LSTSGU Max. IN	LSTSGA Max. IN			40 C	50 C	LSTSGU Lbs./Ft.	LSTSGA Lbs./Ft.
LSTSGU/A-3	-01UN		16 (Class B)	.411	.461	.130	.030	11	10	.081	.109
LSTSGU/A-4	-02UN		14 (Class B)	.449	.499	.143	.030	18	17	.100	.133
LSTSGU/A-9	-03UN		10 (Class B)	.575	.625	.187	.040	39	36	.180	.230
LSTSGU/A-14	-04UN		9 (Class B)	.718	.768	.262	.040	51	47	.245	.297
LSTSGU/A-23	-05UN		7 (Class B)	.812	.862	.310	.050	69	64	.363	.410
LSTSGU/A-50	-06UN		3 (Class C)	.969	1.019	.334	.050	110	101	.681	.740
LSTSGU/A-75	-07UN		1 (Class C)	1.134	1.185	.407	.050	148	146	1.018	1.086
LSTSGU/A-100	-08UN		0 (Class D)	1.266	1.316	.453	.060	174	160	1.217	1.289
LSTSGU/A-150	-09UN		000 (Class D)	1.515	1.565	.557	.060	235	216	2.360	2.458

MIL-C-24643 (LOW-SMOKE)

Type: LSFSGU, LSFSGA

MIL-C-24643/17
4 Conductors, 1,000 Volts, Watertight, Non-flexing Service



SPECIFICATIONS

Sizes 3-23 AWG:

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Extruded silicone rubber
3. COVER: Glass braid
4. IDENTIFICATION: Standard identification code by Method 1
5. ASSEMBLY: Four conductors cabled with filled and binder or combination binder/barrier
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
7. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

Sizes 50-400: Same construction except silicone rubber – glass tape insulation, no glass braid or braid covering. Letter identification code by Method 5. LSFSGA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LSFSGU/A cables are four conductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting or weapon control system interconnection, except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

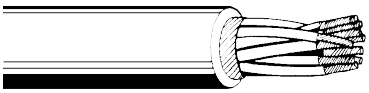
Anixter Number	Military Part Number M24643/16	Conductor Size		Nominal O.D		Diameter Overall Insulation IN	Overall Jacket Thickness IN	Amps Per Conductor		Approximate Weight	
		Navy Stand.	AWG	LSTSGU Max. IN	LSTSGA Max. IN			40 C	50 C	LSTSGU Lbs./Ft.	LSTSGA Lbs./Ft.
LSFSGU/A-3	-01UN		16 (Class B)	.447	.497	.130	.030	11	10	.126	.154
LSFSGU/A-4	-02UN		14 (Class B)	.513	.563	.143	.040	18	17	.172	.204
LSFSGU/A-9	-03UN		10 (Class B)	.630	.680	.187	.040	39	36	.296	.336
LSFSGU/A-23	-04UN		7 (Class B)	.890	.940	.310	.050	69	64	.460	.517
LSFSGU/A-50	-05UN		3 (Class c)	1.050	1.100	.334	.050	110	101	1.015	1.076
LSFSGU/A-75	-06UN		1 (Class C)	1.240	1.290	.407	.050	148	146	1.486	1.289
LSFSGU/A-100	-07UN		1 (Class C)	1.358	1.408	.453	.050	174	160	1.820	1.412
LSFSGU/A-150	-08UN		000 (Class D)	1.625	1.675	.557	.060	235	216	3.105	3.188
LSFSGU/A-200	-09UN		0000 (Class D)	1.820	1.870	.634	.060	271	250	3.819	3.922

1/ Change UN to AN for LSFSGA

MIL-C-24643 (LOW-SMOKE)

Type: LSMSCU, LSMSCA, LSMSCS

MIL-C-24643/18
9 through 91 Conductors, 1,000 Volts, Watertight, Non-flexing Service, 18 AWG



SPECIFICATIONS

Sizes 3-23 AWG:

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Extruded silicone rubber
3. COVERING: Glass braid
4. IDENTIFICATION: Standard identification code by Method 1
5. ASSEMBLY: The required number of conductors cabled consecutively with fillers and binder or combination binder/barrier
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
7. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

LSMSCA, same construction with overall braided aluminum armor. LSMSCS, same as LSMSCU, except double overall shield.

APPLICATIONS

Type LSMSCU/A/S cables are multiconductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications. The overall shielding conforms to the surface transfer impedance and EMP response time requirements of the specification.

Anixter Number	Military [1]/ Part Number M24643/18	No. of Cond.	Overall Jacket Thick.	Nominal O.D. IN						Amps Per Conductor		Approximate Weight		
				LSMSCU		LSMSCA		LSMSCS						
			IN	Min	Max	Min	Max	Min	Max	40 C	50 C	LSMSCU Lbs./Ft.	LSMSCA Lbs./Ft.	LSMSCS Lbs./Ft.
LSMSCU/A/S-7	-01UN	7	.040	.447	.484	.497	.534	.507	.544	12/8*	6/6*	.148	.176	.244
LSMSCU/A/S-10	-02UN	10	.050	.575	.622	.625	.672	.635	.682	12/8	9/6	.227	.267	.349
LSMSCU/A/S-14	-03UN	14	.050	.617	.668	.667	.718	.677	.728	12/8	9/6	.280	.324	.403
LSMSCU/A/S-19	-04UN	19	.050	.682	.738	.732	.788	.742	.798	12/8	9/6	.354	.401	.509
LSMSCU/A/S-24	-05UN	24	.050	.790	.855	.840	.905	.850	.915	12/6	9/5	.467	.522	.630
LSMSCU/A/S-30	-06UN	30	.050	.833	.901	.883	.951	.893	.961	12/6	9/5	.539	.596	.727
LSMSCU/A/S-37	-07UN	37	.060	.926	1.002	.976	1.055	.986	1.065	12/6	9/5	.648	.707	.810
LSMSCU/A/S-44	-08UN	44	.060	1.030	1.114	1.080	1.164	1.090	1.174	12/5	9/4	.793	.861	.991
LSMSCU/A/S-61	-09UN	61	.060	1.156	1.250	1.206	1.300	1.216	1.310	12/4	9/3	.983	1.058	1.227
LSMSCU/A/S-91	-10UN	91	.060	1.369	1.489	1.419	1.530	1.429	1.540	12/4	9/3	1.510	1.600	1.887

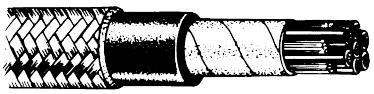
1/ Change UN to AN for LSMSCA
Change UN to UD for LSMSCS

*Ind/Avg. indicates the maximum current per conductor (ind.) and the maximum current (avg.) per conductor when all conductors in the cable are used.

MIL-C-24643 (LOW-SMOKE)

Type: LS6SGU, LS6SGA

MIL-C-24643/19
6 Conductors, 1,000 Volts, Watertight, Non-flexing Service



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Extruded silicone rubber – glass tape
3. IDENTIFICATION: Letter identification by Method 5
4. ASSEMBLY: Six conductors (two ach of letter A,C,C) cabled in sequence ABC ABC, fillers, binder or combination binder/barrier
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS6SGA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS6SGU/A cables are six conductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

Anixter Number	Military 1/ Part Number M24643/19	Conductor Size	Nominal O.D		Diameter Over Insulation	Overall Jacket Thickness	Amps Per Conductor		Approximate Weight	
			LS6SGU	LS6SGA					LS6SGU	LS6SGA
		AWG	Max IN.	Max IN.	IN	IN	40°C	50°C	Lbs./Ft.	Lbs./Ft.
LS6SGU/A-3	-01UN	0 (Class D)	1.600	1.650	.453	.060	136	127	2.820	2.919
LS6SGU/A-4	-02UN	00 (Class D)	1.790	1.840	.507	.060	160	147	3.490	3.600
LS6SGU/A-9	-03UN	000 (Class D)	1.960	2.010	.557	.060	188	173	4.339	4.468
LS6SGU/A-14	-04UN	0000 (Class D)	2.200	2.250	.634	.075	219	202	5.479	5.613

1/ Change UN to AN for LS6SGA

MIL-C-24643 (LOW-SMOKE)

Type: LS6SGU, LS6SGA

MIL-C-24643/20
7 Conductors, 1,000 Volts, Watertight, Non-flexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Extruded silicone rubber
3. IDENTIFICATION: Standard identification code by Method 1
4. ASSEMBLY: Seven conductors cabled consecutively with fillers and binder or combination binder/barrier
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS7SGA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS6SGU/A cables are seven conductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

Anixter Number	Military [1]/ Part Number M24643/20	Conductor Size AWG	Nominal O.D. LS6SGU Max IN.	Nominal O.D. LS6SGA Max IN.	Diameter Overall Insulation IN.	Overall Jacket Thickness IN.	Amps Per Conductor Max. 40 C	Amps Per Conductor Max. 50 C	Approximate Weight Lbs./Ft. LS6SGU	Approximate Weight Lbs./Ft. LS6SGA
LS7SGU/A-3	-01UN	16 (Class B)	.545	.595	096	.040	15/11*	14/10*	.152	.177
LS7SGU/A-4	-02UN	14 (Class B)	.595	.645	.112	.040	26/14	24/13	.198	.231

1/ Change UN to AN for LS7SGA

*Ind/Avg. indicates the maximum current per conductor (ind.) and the maximum current (avg.) per conductor when all conductors in the cable are used.

MIL-C-24643 (LIGHTWEIGHT)

Type: LSTCJU, LSTCTU, LSTCJA, LSTCTA

MIL-C-24643/21
One Pair, Watertight
Nonflexing Service

SPECIFICATIONS

Type LSTCJU:

1. CONDUCTOR: Two bare uncoated stranded, one iron and one constantan
2. INSULATION: Extruded silicone rubber
3. COVER: Glass braid
4. IDENTIFICATION: Printed "8 (Grey)" on the iron and "3 (Red)" on the constantan
5. ASSEMBLY: Cabled with fillers and binder or combination binder/barrier
6. OVERALL JACKET: Cross-linked polyolefin jacket, surface marking.

LSTCTA, same construction with overall braided aluminum armor
LSTCTU, same, except one copper and one constantan conductor; the copper conductor printed "6 (Blue)" and "3 (Red)" printed on the constantan conductor
LSTCTA, same construction with overall braided aluminum armor

APPLICATIONS

Type LSTCJU/A and LSTCTU/A cables can be either armored or unarmored, the cables may be used for type T and type J thermocouple and pyrometer applications. These cables are watertight and meet the 1-hour fire electrical circuit integrity requirements of this specification.

Anixter No.	Military Part Number M24643/21	Conductor Size AWG	Diameter Overall Insulation Min. IN	Diameter Over Braid Covering Max. IN	Nominal O.D. IN	Approximate Weight Lbs./Ft.
LSTCJU-4	-01UN	14 (Class B)	.105	.140	.430	.117
LSTCTU-4	-02UN	14 (Class B)	.105	.140	.430	.117
LSTCJA-4	-03AN	14 (Class B)	.105	.140	.480	.117
LSTCTA-4	-04AN	14 (Class B)	.105	.140	.480	.117

After part number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TJ-1012AJ, 7TJ-3502AJ).
Diameters and weights may vary among manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LS5KVTSGU, LS5KVTSGA

MIL-C-24643/22
3 Conductors, 5000 Volts, Watertight, Non-flexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Silicone rubber – glass tape (optional binder)
3. IDENTIFICATION: Letter identification code by Method 5
4. ASSEMBLY: Three conductors cabled with fillers in sequence ABC with binder or combination
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS5KVTSGA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LSTTSU/A cables are four conductor either armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection.

Anixter Number	Military 1/ Part Number M24643/22	Conductor Size		Nominal O.D.		Dia. Over Insul.	Amps Per Conductor		Approximate Weight	
				LS5KVTSGU	LS5KVTSGA				LSFSGU	LSFSGA
		Navy Stand.	AWG	Max IN	Max IN	IN	40°C	50°C	Lbs./Ft.	Lbs./Ft.
LS5KVTSGU/A-100	-01UN		0 (Class D)	1.75	1.79	.675	174	160	2.310	2.417
LS5KVTSGU/A-150	-02UN		000 (Class D)	1.95	2.00	.769	235	216	2.964	3.073
LS5KVTSGU/A-250	-03UN		250,000 (Class D)	2.22	2.27	.889	315	290	4.294	4.429
LS5KVTSGU/A-350	-04UN		350,000 (Class D	2.45	2.50	.994	391	360	5.417	5.562
LS5KVTSGU/A-400	-05UN	400 (127)		2.60	2.65	1.054	435	400	6.190	6.551

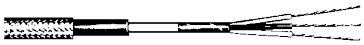
1/ Change UN to AN for LS5KVTSGA

MIL-C-24643 (LOW-SMOKE)

Type: LSTTSU, LSTTSA

MIL-C-24643/23

1.5 to 60 Pairs, 300 Volts, Watertight, Non-flexing Service, 22 AWG.



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Extruded silicone rubber
3. INSULATION JACKET: Polyamide
4. IDENTIFICATION: Identification code by Method 6
5. ASSEMBLY: Two conductors cabled to form pair. The required number of pairs cabled consecutively with fillers and binder or combination binder/barrier
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LSTTSA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LSTTSU/A cables are multipaired armored or unarmored. They are watertight and meet the one-hour fire electrical circuit integrity requirements of this specification. These cables may be used to interconnect audio, telephone, call bell, announcing and alarm systems. They may also be used for other interior communication and weapon control systems provided the ampere rating of the cable and voltage drop for the system are not exceeded.

Anixter Number	Military 1/ Part Number M24643/23	Number of Pairs	Nominal O.D.		Overall Jacket Thickness	Approximate Weight Lbs./Ft.	
			LSTSSU Max IN.	LSTSSA Max IN.	IN.	LS6SGU Lbs./Ft.	LS6SGA Lbs./Ft.
LSTTSU/A-1½ 2/	--01UN	1-1/2	.330	..380	..050	.066	.083
LSTTSU/A-3	-02UN	3	.450	.500	.050	.113	.137
LSSTSU/A-5	-03UN	5	.530	.590	.050	.167	.195
LSTTSU/A-10	-04UN	10	.675	.725	.062	.262	.296
LSTTSU/A-15	-05UN	15	.800	.850	.062	.379	.415
LSTTSU/A-20	-06UN	20	.870	.920	.062	.461	.504
LSTSSU/A-30	-07UN	30	1.080	1.130	.075	.697	.742
LSTSSU/A-40	-08UN	40	1.200	1.250	.075	.874	.930
LSTSSU/A-50	-09UN	50	1.400	1.450	.075	1.148	1.193
LSTSSU/A-60	-10UN	60	1.450	1.500	.075	1.267	1.317

1/ Change UN to AN for LSTTSA

MIL-C-24643 (LIGHTWEIGHT)

Type: LSTCJX, LSTCKX, LSTCTX

MIL-C-24643/24
1 through 12 Pair, Watertight,
Nonflexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded bare
2. INSULATION: Extruded silicone rubber with glass braid
3. IDENTIFICATION: Special identification code
4. ASSEMBLY: Two conductors cabled to form pair
   One each of iron and constantan in LSTCJX
   One each of chromel and alumel in LSTCKX
   One each of copper and constantan in LSTCTX
   The special number of pairs cabled with saturated noncharring silicone base and fillers with binder tape
5. OVERALL JACKET: Silicone rubber
6. ARMOR: Braided aluminum

APPLICATIONS

Types LSTCJX, LSTCKX, LSTCTX are multipair armored thermocouple cables. These cables are watertight and meet the 1-hour fire electrical circuit integrity requirements of this specification. These cables may be used for type J, type K and type T thermocouple and pyrometer applications.

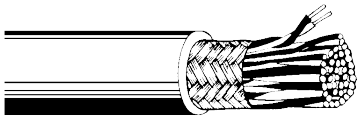
Anixter No.	Military Part Number M24643/24	Conductor Size AWG	Number of Pairs	Number of Strands and Strand Diameter IN	Diameter Overall Insulation Min. IN	Diameter Over Braid Max. IN	Overall Jacket Thickness IN	Nominal O.D. IN	Approximate Weight Lbs./Ft.
LSTCJX-3	-01AN	16	3	7/0.0201	.100	.125	0.040	.742	.231
LSTCJX-7	-02AN	16	7	7/0.0201	.100	.125	0.050	.983	.515
LSTCJX-12	-03AN	16	12	7/0.0201	.100	.125	0.050	1.269	.844
LSTCKX-1	-04AN	16	1	7/0.0201	.100	.125	0.030	.456	.108
LSTCKX-3	-05AN	16	3	7/0.0201	.100	.125	0.040	.742	.257
LSTCKX-7	-06AN	16	7	7/0.0201	.100	.125	0.050	.983	.520
LSTCKX-12	-07AN	16	12	7/0.0201	.100	.125	0.050	1.269	.833
LSTCTX-1	-08AN	21	1	7/0.0113	.065	.085	0.030	.350	.108
LSTCTX-3	-09AN	21	3	7/0.0113	.065	0.85	0.030	.552	.262
LSTCTX-7	-10AN	21	7	7/0.0113	.065	0.85	0.040	.731	.515
LSTCTX-12	-11AN	21	12	7/0.0113	.065	0.85	0.050	.964	.844

Diameters and weights may vary among manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LS2AU, LS2A, LS2AUS

MIL-C-24643/27
40 Pairs with Overall Shield, 600 Volts, Non-watertight, Non-flexing Service, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Telephone identification by Method 3
4. ASSEMBLY: Two conductors cabled to form pair. Forty pairs cabled consecutively with binder
5. SHIELD: Braided tin-coated copper with binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2A, same construction with overall braided aluminum armor.
LS2AUS, same construction as LS2AU, with double overall shield.

APPLICATIONS

Type LS2A/U/S type cables are overall shielded multipair constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to surface transfer impedance and EMP response time requirements of the specification.

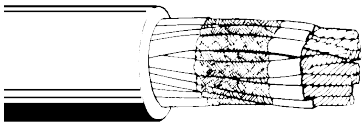
Anixter Number	Military [1]/ Part Number M24643/27	Number of Pairs	Nominal O.D.						Approximate Weight		
			LS2AU		LS2A		LS2AUS		LS2AU	LS2A	LS2AUS
			Min. IN	Max. IN	Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.	Lbs./Ft.
LS2A/U/S-40	-01UO	40	1.320	1.370	1.370	1.420	1.380	1.430	.721	.741	.901

1/ Change UN to AO for LS2A (armored)
1/ Change UO to UD for LS2AUS (double overall shield)
NOTE: Diameters and weights may vary between manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LS1S50MU, LS1S50MA, LS1S50MSU

MIL-C-24643/28
6 through 70 Shielded Singles, Non-watertight
Non-flexing Service, 22 AWG, 50 Ohms



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Standard identification by Method 1
4. SHIELD: Braided tin-coated copper
5. SHIELD INSULATION: Two sealed polyester tapes
6. ASSEMBLY: The required number of shielded conductors cabled consecutively with binder tape
7. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking.

LS1S50MA, same construction with overall braided aluminum armor.
LS1S50MUS, same construction as LS1S50MU, with double overall shield.

APPLICATIONS

Type LS1S50MU/A/S type cables are individually shielded, 50 Ohm multiconductor constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to surface transfer impedance and EMP response time requirements of the specification.

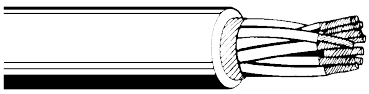
Anixter Number	Military[1]/ Part Number M24643/28	No. of Cond.	Nominal O.D.						Approximate Weight		
			LS1S150MU		LS1S150MA		LS1S150MUS		LS1S150MU	LS1S150MA	LS1S150MUS
			Min. IN	Max. IN	Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.	Lbs./Ft.
LS1S50MU/A/S-16	-01UN	16	.760	.825	.810	.875	.820	.885	.329	.360	.444
LS1S50MU/A/S-20	-02UN	20	.835	.905	.885	.955	.895	.965	.381	.417	.514
LS1S50MU/A/S-40	-03UN	40	1.095	1.185	1.145	1.235	1.115	1.245	.710	.756	.887
LS1S50MU/A/S-70	-04UN	70	1.465	1.555	1.515	1.605	1.525	1.615	1.751	1.798	2.188

1/ Change UN to AN for LS1S50MA (armored)
1/ Change UN to UD for LS1S50MUS (double overall shield).

MIL-C-24643 (LOW-SMOKE)

Type: LSMU, LSMA, LSMUS

MIL-C-24643/29
14 Conductors, 300 Volts, Non-watertight
Non-flexing Service, 20 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. IDENTIFICATION: Standard identification by Method 1
4. ASSEMBLY: Fourteen conductors cabled consecutively, binder tape.
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LSMA, same construction with overall braided aluminum armor.
LSMUS, same construction as LSMU, with double overall shield.

APPLICATIONS

Type LSMU/A/S type cables are multiconductor, suitable for non-watertight, non-flexing service. They may be used for power, lighting, interior communication, weapons control and electronic systems, except where circuit parameters require special types of cable.

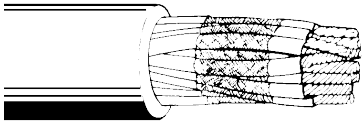
Anixter Number	Military [1]/ Part Number M24643/29	No. of Cond.	Nominal O.D.						Approximate Weight		
			LSMU		LSMA		LSMUS		LSMU	LSMA	LSMU
			Min. IN	Max. IN	Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.	Lbs./Ft.
LSMU/A/S-14	-01UN	14	.365	.400	.415	.450	.425	.460	.132	.160	.217

1/ Change UN to AN for LSMA (armored)
1/ Change UN to UD for LSMUS (double overall shield).

MIL-C-24643 (LOW-SMOKE)

Type: LS1SWU, LS1SWA

MIL-C-24643/30
2 through 30 Shielded Singles, Watertight
Non-flexing Service, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. SHIELD: Bare copper-braided shield, shield insulation
4. IDENTIFICATION: Standard identification code by Method 2
5. ASSEMBLY: The required number of shielded singles cabled consecutively with fillers, binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS1SWA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS1SWU/A cables are 61 ohm individually shielded multiconductor constructions suitable for watertight, non-flexing service. They are available with or without armor. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

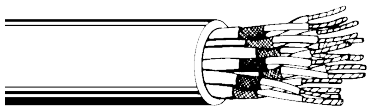
Anixter Number	Military1/ Part Number M24643/30	No. of Cond.	Overall Jacket Thickness	Nominal O.D.				Approximate Weight	
				LS1SWU		LS1SWA		LS1SWU	LS1SWA
			IN	Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS1SWU/A-2	-01UN	2	.030	.430	.455	.480	.505	.103	.120
LS1SWU/A-14	-02UN	14	.040	.825	.870	.875	.920	.463	.506
LS1SWU/A-20	-03UN	20	.040	.970	1.030	1.020	1.080	.618	.658
LS1SWU/A-30	-04UN	30	.050	1.135	1.200	1.185	1.250	.885	.942

1/ Change UN to AN for LS1SWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS2SU, LS2SA, LS2SUS

MIL-C-24643/31
3 through 61 Shielded Pairs, Non-watertight
Non-flexing Service, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. PAIR: One black and one white conductor twisted to form pair, optional binder
4. SHIELD: Braid tin-coated copper shield
5. SHIELD INSULATION: Two sealed polyester tapes
6. IDENTIFICATION: Standard identification by Method 2
7. ASSEMBLY: The required number of shielded pairs cabled consecutively, fillers, binder tape
8. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2SA, same construction with overall braided aluminum armor.
LS2SUS, same construction as LS2SU, with double overall shield.

APPLICATIONS

Type LS2SU/A/S cables are 75 ohm individually shielded multiconductor constructions suitable for non-watertight, non-flexing service. They are available both with and without armor and a double overall shield. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to the surface transfer impedance and EMP response time requirements of the specification.

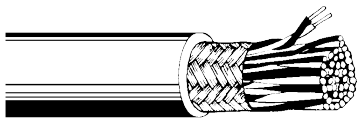
Anixter Number	Military 1/ Part Number M24643/31	No. of Pairs	Overall Jacket Thick.	Nominal O.D. IN						Approximate Weight		
				LS2SU		LS2SA		LS2SUS		LS2SU	LS2SA	LS2SUS
			IN	Min.	Max.	Min.	Max.	Min.	Max.	Lbs./Ft.	Lbs./Ft.	Lbs./Ft.
LS2SU/A/S-3	-01UN	3	.040	.480	.520	.530	.570	.540	.580	.170	.206	.261
LS2SU/A/S-7	-02UN	7	.040	.610	.660	.660	.710	.670	.720	.255	.298	.367
LS2SU/A/S-10	-03UN	10	.040	.770	.830	.820	.880	.830	.890	.368	.422	.496
LS2SU/A/S-14	-04UN	14	.050	.860	.930	.910	.980	.920	.990	.558	.618	.753
LS2SU/A/S-19	-05UN	19	.050	.970	1.040	1.020	1.090	1.030	1.100	.732	.793	.915
LS2SU/A/S-24	-06UN	24	.050	1.120	1.210	1.170	1.260	1.180	1.280	.953	1.030	1.191
LS2SU/A/S-30	-07UN	30	.050	1.190	1.280	1.240	1.330	1.250	1.340	1.176	1.256	1.470
LS2SU/A/S-37	-08UN	37	.050	1.290	1.380	1.340	1.430	1.350	1.440	1.459	1.545	1.823
LS2SU/A/S-44	-09UN	44	.050	1.460	1.550	1.510	1.600	1.520	1.610	1.809	1.905	2.080
LS2SU/A/S-61	-10UN	61	.060	1.660	1.740	1.710	1.790	1.720	1.800	2.209	2.318	2.540

1/ Change UN to AN for LS2SA (armored)
1/ Change UN to UD for LS2SUS (double overall shield)

MIL-C-24643 (LOW-SMOKE)

Type: LS2SWAU, LS2SWAUA

MIL-C-24643/32
3 to 61 Shielded Singles, Watertight
Non-flexing Service, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. PAIR: One black and one white conductor twisted to form pair, optional binder tape
4. SHIELD: Braid tin-coated copper shield
5. SHIELD INSULATION: Two sealed polyester tapes
6. IDENTIFICATION: Standard identification by Method 2
7. ASSEMBLY: The required number of shielded pairs cabled consecutively, fillers, binder tape
8. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2SWA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS2SWAU/A cables are 75 ohm individually iconshielded multiconductor constructions suitable for watertight, non-flexing service. They are available with or without armor. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

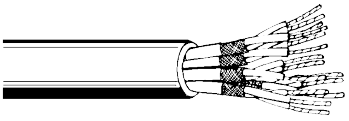
Anixter Number	Military[1]/ Part Number M24643/32	No. of Pairs	Overall Jacket Thickness IN	Nominal O.D.				Approximate Weight	
				LS2SWAU		LS2SWA		LS2SWAU	LS2SWA
				Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS2SWAU/A-3	-01UN	3	.040	.480	.520	.530	.570	.175	.206
LS2SWAU/A-7	-02UN	7	.040	.610	.660	.660	.710	.257	.298
LS2SWAU/A-10	-03UN	10	.040	.770	.830	.820	.880	.370	.422
LS2SWAU/A-14	-04UN	14	.050	.860	.930	.910	.980	.556	.618
LS2SWAU/A-19	-05UN	19	.050	.970	1.040	1.020	1.090	.731	.793
LS2SWAU/A-24	-06UN	24	.050	1.120	1.210	1.170	1.260	.957	1.256
LS2SWAU/A-30	-07UN	30	.050	1.190	1.280	1.240	1.330	1.174	1.545
LS2SWAU/A-37	-08UN	37	.050	1.290	1.380	1.340	1.430	1.462	1.545
LS2SWAU/A-44	-09UN	44	.050	1.460	1.550	1.510	1.600	1.812	1.905
LS2SWAU/A-61	-10UN	61	.060	1.660	1.740	1.710	1.790	2.214	2.317

1/ Change UN to AN for LS2SWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS2SWU, LS2SWUA

MIL-C-24643/33
1 to 61 Shielded Pairs, Watertight
Non-flexing Service, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. SHIELD: Optional binder tape, braided tin-coated copper shield
4. IDENTIFICATION: Standard identification by Method 2
5. ASSEMBLY: The required number of shielded pairs cabled consecutively, fillers, binder
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

(Shield insulation of two polyester tapes on all sizes except LS2SWU-1)

LS2SWUA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS2SWU/A cables are 75 ohm individually shielded multiconductor constructions suitable for watertight, non-flexing service. They are available with or without armor. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

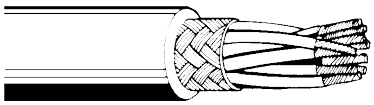
Anixter Number	Military[1]/ Part Number M24643/33	No. of Pairs	Overall Jacket Thickness	Nominal O.D.				Approximate Weight	
				LS2SWU		LS2SWUA		LS2SWU	LS2SWUA
			IN	Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS2SWU/A-1	-01UN	1	.012	.240	.255	.290	.305	.130	.130
LS2SWU/A-3	-02UN	3	.060	.670	.710	.720	.760	.207	.228
LS2SWU/A-7	-03UN	7	.060	.860	.910	.910	.960	.358	.392
LS2SWU/A-12	-04UN	12	.070	1.130	1.200	1.190	1.250	.700	.745
LS2SWU/A-19	-05UN	19	.080	1.292	1.380	1.342	1.420	.810	.842
LS2SWU/A-24	-06UN	24	.080	1.500	1.590	1.550	1.640	1.042	1.070
LS2SWU/A-30	-07UN	30	.100	1.670	1.760	1.720	1.810	1.256	1.289
LS2SWU/A-37	-08UN	37	.100	1.785	1.870	1.825	1.920	1.512	1.552
LS2SWU/A-61	-09UN	61	.100	2.205	2.300	2.255	2.350	2.321	2.36

1/ Change UN to AN for LS2SWUA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LSMS, LSMSA

MIL-C-24643/34
37 Conductors, Overall Shield,
300 Volts, Non-watertight,
Non-flexing Service, 16 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. SHIELD: Braided tin-coated copper shield
4. IDENTIFICATION: Standard identification by Method 1
5. ASSEMBLY: 37 conductors cabled consecutively with binder
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LSMSA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LSMS/A cables are 37 conductor for watertight, non-flexing service. They are available with or without armor. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

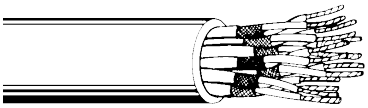
Anixter Number	Military[1]/ Part Number M24643/33	No. of Cond.	Nominal O.D.				Approximate Weight	
			LS2SWU		LS2SWUA		LS2SWU	LS2SWUA
			Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LSMS/A-37	-01UO	37	.740	.800	.790	.850	.618	.676

1/ Change UO to AO for LSMSA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS3SU, LS3SA, LS3SUS

MIL-C-24643/35
3 through 44 Shielded Triads, Non-watertight
Non-flexing Service, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. TRIAD: Three conductors (one of each colour) cabled to form triad (optional binder tape)
4. SHIELD: Braided bare copper shield
5. SHIELD INSULATION: Two sealed polyester tapes
6. IDENTIFICATION: Standard identification code by Method 2
7. ASSEMBLY: The required number of shielded triads cabled consecutively, fillers, binder tape
8. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS3SA, same construction with overall braided aluminum armor.
LS3SUS, same construction as LS3SU, with double overall shield.

APPLICATIONS

Type LS3SU/A/S cables individually shielded multiconductor constructions suitable for non-watertight, non-flexing service. They are available both with and without armor and a double overall shield. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to the surface transfer impedance and EMP response time requirements of the specification.

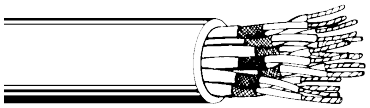
Anixter Number	Military[1]/ Part Number M24643/33	No. of Pairs	Overall Jacket Thick. IN	Nominal O.D. IN						Approximate Weight		
				LS3SU		LS3SA		LS3SUS		LS3SU	LS3SA	LS3SUS
				Min.	Max.	Min.	Max.	Min.	Max.	Lbs./Ft.	Lbs./Ft.	Lbs./Ft.
LS3SU/A/S-3	-01UN	3	.040	.650	.700	.700	.750	.710	.760	.262	309	.444
LS3SU/A/S-7	-02UN	7	.050	.840	.910	.890	.960	.900	.970	.528	.587	.792
LS3SU/A/S-10	-03UN	10	.050	1.100	1.190	1.150	1.240	1.160	1.250	.791	.865	1.081
LS3SU/A/S-14	-04UN	14	.050	1.200	1.290	1.250	1.340	1.260	1.350	1.054	1.133	1.416
LS3SU/A/S-19	-05UN	19	.050	1.340	1.430	1.390	1.480	1.400	1.490	1.353	1.442	1.802
LS3SU/A/S-24	-06UN	24	.060	1.580	1.670	1.630	1.720	1.640	1.730	1.799	1.905	2.190
LS3SU/A/S-30	-07UN	30	.060	1.680	1.770	1.730	1.820	1.740	1.830	2.130	2.266	2.665
LS3SU/A/S-37	-08UN	37	.060	1.840	1.930	1.890	1.980	1.900	1.990	2.664	2.791	3.301
LS3SU/A/S-44	-09UN	44	.060	2.060	2.150	2.110	2.200	2.200	2.210	3.273	3.399	3.90

1/ Change UN to AN for LS3SA (armored)
1/ Change UN to UD for LS3SUS (double overall shield)

MIL-C-24643 (LOW-SMOKE)

Type: LS3SWU, LS3SWA, LS3SWUS

MIL-C-24643/36
3 through 44 Shielded Triads, Watertight
Non-flexing Service, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Cross-linked polyethylene.
3. TRIAD: Three conductors (one of each colour) cabled to form triad (optional binder tape).
4. SHIELD: Braided bare copper shield
5. SHIELD INSULATION: Two sealed polyester tapes
6. IDENTIFICATION: Standard identification code by Method 2
7. ASSEMBLY: The required number of shielded triads cabled consecutively, fillers, binder tape
8. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS3SA, same construction with overall braided aluminum armor.
LS3SUS, same construction as LS3SU, with double overall shield.

APPLICATIONS

Type LS3SWU/A/S cables individually shielded multiconductor constructions suitable for watertight, non-flexing service. They are available both with and without armor and a double overall shield. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to the surface transfer impedance and EMP response time requirements of the specification.

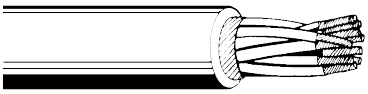
Anixter Number	Military[1]/ Part Number M24643/33	No. of Pairs	Overall Jacket Thick.	Nominal O.D. IN						Approximate Weight		
				LS3SU		LS3SA		LS3SUS		LS3SU	LS3SA	LS3SUS
			IN	Min.	Max.	Min.	Max.	Min.	Max.	Lbs./Ft.	Lbs./Ft.	Lbs./Ft.
LS3SWU/A/S-3	-01UN	3	.040	.615	.655	.665	.705	.675	.715	.298	.309	.429
LS3SWU/A/S-7	-02UN	7	.040	.880	.940	.930	.990	.940	1.000	.528	.587	.712
LS3SWU/A/S-10	-03UN	10	.050	1.100	1.180	1.150	1.230	1.160	1.250	.791	.865	.988
LS3SWU/A/S-14	-04UN	14	.050	1.200	1.280	1.250	1.330	1.260	1.340	1.052	1.133	1.315
LS3SWU/A/S-19	-05UN	19	.050	1.370	1.450	1.420	1.500	1.430	1.510	1.353	1.442	1.691
LS3SWU/A/S-24	-06UN	24	.050	1.640	1.760	1.690	1.790	1.700	1.800	1.799	1.905	2.068
LS3SWU/A/S-30	-07UN	30	.050	1.760	1.860	1.810	1.910	1.820	1.920	2.156	2.266	2.479
LS3SWU/A/S-37	-08UN	37	.060	1.890	1.990	1.910	2.010	1.950	2.050	2.664	2.781	3.063
LS3SWU/A/S-44	-09UN	44	.060	2.140	2.240	2.190	2.290	2.200	2.300	3.278	3.399	3.605

1/ Change UN to AN for LS3WSA (armored)
1/ Change UN to UD for LS3SWUS (double overall shield)

MIL-C-24643 (LOW-SMOKE)

Type: LS3U, LS3UA

MIL-C-24643/37
3, 7 and 12 Triads, Non-watertight
Non-flexing Service, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Cross-linked polyethylene
3. TRIAD: Three conductors (one of each colour) cabled to form triad, marker braid on each triad
4. IDENTIFICATION: Standard identification code by Method 4
5. ASSEMBLY: The required number of triads cabled consecutively with fillers, binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS3UA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS3U/A cables are multitriad constructions and are suitable for non-watertight, non-flexing service. They are available with or without armor. These constructions may be used for interconnect of electronic, communication and instrumentation systems where RFI shielding is not required.

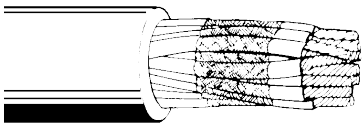
Anixter Number	Military[1]/ Part Number M24643/37	No. of Pairs	Overall Jacket Thick.	Nominal O.D. IN				Approximate Weight	
				LS3SU		LS3SA		LS3SU	LS3SA
			IN	Min.	Max.	Min.	Max.	Lbs./Ft.	Lbs./Ft.
LS3U/A-3	-01UN	3	.040	.580	.620	.630	.670	.123	.138
LS3U/A-7	-02UN	7	.040	.760	.810	.810	.860	.288	.315
LS3U/A-12	-03UN	12	.050	1.030	1.090	1.080	1.140	.491	.522

1/ Change UN to AN for LS3UA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LSECM, LSECMA

MIL-C-24643/38
56 Single Conductors, Plus 8 Shielded Pairs,
Watertight, Non-flexing Service



SPECIFICATIONS

1. CONDUCTOR: Twisted pairs: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. PAIR: One black and one white conductor cabled to form pair (optional binder tape)
4. SHIELD: Tin-coated copper braided shield
5. SHIELD INSULATION: Two sealed polyester tapes
6. IDENTIFICATION: Standard identification code by Method 2
7. GROUPS OF 7: Stranded tin-coated copper conductor, ethylene propylene rubber or cross-linked polyethylene insulation, 5 black and 2 white conductors cabled to form group of 7, two sealed polyester tapes, standard identification code by Method 2
8. ASSEMBLY: Five shielded pairs cabled to form core, 3 pairs and 8 groups of seven cables over the core, fillers, binder tape
9. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LSECMA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LSECM/A cables are composite constructions consisting of 8 individually twisted, shielded and jacketed pairs; combined with 8 twisted and jacketed groups, each group consisting of seven conducts; these cables are suitable for watertight, non-flexing service; they are intended for special purpose electronic, communication and instrumentation applications.

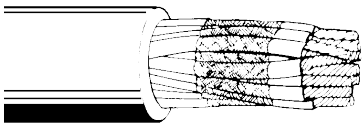
Anixter Number	Military[1]/ Part Number M24643/38	Cond. Size AWG	No. of Pairs	No. of Cond.	Nominal O.D. IN				Approximate Weight	
					LSECM		LSECMA		LSECM	LSECMA
					Min.	Max.	Min.	Max.	Lbs./Ft.	Lbs./Ft.
LSECM/A	-01UN	20	8	56	1.290	1.370	1.340	1.420	1.545	1.600

1/ Change UN to AN for LSECMA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS1S75MU, LS1S75MA

MIL-C-24643/39
8 Shielded Singles, Non-watertight
Non-flexing Service, 22 AWG, 75 Ohm



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Cross-linked polyethylene
3. TRIAD: Three conductors (one of each colour) cabled to form triad, marker braid on each triad
4. IDENTIFICATION: Standard identification code by Method 4
5. ASSEMBLY: The required number of triads cabled consecutively with fillers, binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS3UA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS1S75MU/A cables are individually shielded, 75 ohm multiconductor constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

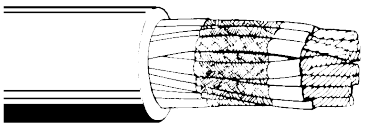
Anixter Number	Military[1]/ Part Number M24643/39	No. of Cond.	Dia. Over Completed Cond.	Nominal O.D.				Approximate Weight	
				LS1S75MU		LS1S75MA		LS1S75MU	LS1S75MA
			IN	Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS1S75MU/A-8	-01UN	8	.228	.950	1.030	1.000	1.080	.552	.612

1/ Change UN to AN for LS1S75MA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS1SMU, LS1SMA

MIL-C-24643/40
5 Shielded Singles, Non-watertight
Non-flexing Service, 22 AWG, 50 Ohm



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. SHIELD: Braided tin-coated copper
4. SHIELD INSULATION: Two sealed polyester tapes
5. IDENTIFICATION: Standard identification code by Method 2
6. ASSEMBLY: Five shielded conductors cabled consecutively around a central filler, binder tape
7. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS1SMA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS1SMU/A cables are individually shielded, 50 ohm multiconductor constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

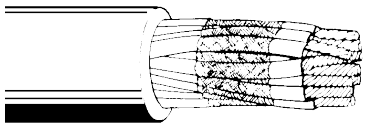
Anixter Number	Military[1]/ Part Number M24643/40	No. of Cond.	Dia. Over Completed Cond. IN	Nominal O.D.				Approximate Weight	
				LS1SMU		LS1SMA		LS1SMU	LS1SMA
				Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS1SMU/A-5	-01UN	5	.131	.465	.500	.515	.550	.128	.156

1/ Change UN to AN for LS1SMA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS1SAU, LS1SA

MIL-C-24643/41
44 Shielded Singles, Non-watertight
Non-flexing Service, 20 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. SHIELD: Bare copper=braided shield over each conductor
4. SHIELD INSULATION: Two sealed polyester tapes
5. IDENTIFICATION: Standard identification code by Method 2
6. ASSEMBLY: 44 conductors cabled consecutively, binder tape
7. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS1SA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS1SA/U cables are individually shielded, multiconductor constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

Anixter Number	Military[1]/ Part Number M24643/41	No. of Cond.	Nominal O.D.				Approximate Weight	
			LS1SAU		LS1SA		LS1SAU	LS1SA
			Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS1SSAU/1SA	-01UN	44	.910	.990	.960	1.040	.638	.698

MIL-C-24643 (Lightweight)

Type: LS1SU, LS1UA

MIL-C-24643/42
36 & 60 Shielded Singles, Nonwatertight
Nonflexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Cross-linked polyethylene insulation
3. SHIELD: uncoated copper braided shield
4. INSULATION: Shield insulation of 2 sealed polyester tapes
5. IDENTIFICATION: Stranded Identification by Method 2
6. ASSEMBLY: required conductors Cabled consecutively, binder tape
7. OVERALL JACKET: cross-linked polyolefin jacket

APPLICATIONS

Type LS1SU and LS1UA individually shielded, 50 ohm multiconductor constructions suitable for nonwatertight, nonflexing service.
They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz is required.

Anixter Number	Military Part Number M24643/42	Conductor Size AWG	Number of Conductors	Overall Jacket Thickness IN	Nominal O.D. IN	Approximate Weight Lbs./Ft.
LS1SU-36	-01UN	20	32	0.075	0.985	14
		18	4			14
LS1SU-60	-02UN	20	60	0.100	1.310	14

Diameters and weights may vary between manufacturers.
Unarmored. When armor option is required, substitute “A” in lieu of “U”.

MIL-C-24643 (LOW-SMOKE)

Type: LS2SJ, LS2SJA, LS3SJ, LS3SJA, LS4SJ, LS4SJA

MIL-C-24643/43
2, 3 and 4 Conductors, with Overall Shield
Non-watertight, Non-flexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper, 14 AWG and smaller; bare copper 12 AWG and larger
2. INSULATION: Ethylene propylene rubber or cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 3
4. ASSEMBLY: Two, three or four conducts are required, cabled with filler
5. SHIELD: Braided tin-coated copper shield, binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2SJA, LS3SJA, LS4SJA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS2SJ/A, LS3SJ/A, LS4SJ/A cables are multiconductor shielded constructions. They are suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

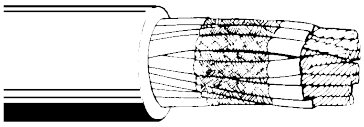
Anixter Number	Military 1/ Part Number M24643/43	Conductor Size		No. of Cond.	Dia. Over Insul.	Nominal O.D. IN				Amps Per Conductor		Approximate Weight	
		ASTM B286	ASTM B8		IN	Min.	Max.	Min.	Max.	40°C	50°C	Lbs./Ft.	Lbs./Ft.
LS2SJ/A-22	-01U0	22-19		2	.067	.261	.275	.311	.325	3	2	.050	.060
LS2SJ/A-20	-02U0	20-19		2	.073	.273	.290	.323	.340	6	5	.056	.071
LS2SJ/A-18	-03U0	18-19		2	.084	.295	.310	.345	.360	10	8	.060	.076
LS2SJ/A-16	-04U0	16-19		2	.091	.309	.325	.359	.375	13	11	.074	.093
LS2SJ/A-14	-05U0	14-19	12 (Class B)	2	.105	.337	.350	.387	.400	16	14	.083	.105
LS2SJ/A-12	-06U0		10 (Class B)	2	.145	.417	.430	.467	.480	23	17	.134	.163
LS2SJ/A-11	-07U0		9 (Class B)	2	.160	.447	.460	.495	.510	31	25	.164	.200
LS2SJ/A-9	-08U0		7 (Class B)	2	.200	.525	.545	.575	.595	42	35	.232	.271
LS2SJ/A-7	-09U0			2	.235	.600	.615	.650	.665	56	49	.288	.325
LS3SJ/A-22	-10U0	22-19		3	.067	.271	.285	.321	.335	3	2	.054	.068
LS3SJ/A-20	-11U0	20-19		3	.073	.284	.300	.334	.350	6	5	.063	.081
LS3SJ/A-18	-12U0	18-19		3	.084	.308	.325	.358	.375	9	7	.076	.096
LS3SJ/A-16	-13U0	16-19		3	.091	.323	.340	.373	.390	11	10	.085	.107
LS3SJ/A-14	-14U0	14-19		3	.105	.353	.370	.403	.420	14	12	.101	.128
LS3SJ/A-12	-15U0		12 (Class B)	3	.145	.440	.455	.490	.505	21	15	.170	.207
LS3SJ/A-9	-16U0		9 (Class B)	3	.200	.594	.620	.644	.670	33	27	.310	.350
LS4SJ/A-20	-17U0	20-19		4	.073	.303	.320	.353	.370	6	5	.048	.091
LS4SJ/A-16	-18U0	16-19		4	.091	.346	.360	.396	.410	9	7	.079	.133
LS4SJ/A-14	-19U0	14-19		4	.105	.380	.395	.430	.445	11	9	.128	.158

1/ Change UO to AO for LS2SJA, LS3SJA, LS4SJA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS1SAU, LS1SA

MIL-C-24643/44
7 Shielded Triads, 600 Volts, Non-watertight
Flexing Service, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. TRIADS: Three conductors (one of each colour) cabled to form triad, fillers and polyester tape
4. SHIELD: Braided bare or tin-coated copper shield
5. SHIELD INSULATION: Two sealed polyester tapes
6. IDENTIFICATION: Standard identification code by Method 2
7. ASSEMBLY: 7 Triads cabled consecutively, binder tape
8. OVERALL JACKET: Cross-linked polyolefin (double layer reinforced) LSZH jacket, surface marking

APPLICATIONS

Type LS3SF is used for special purposes.

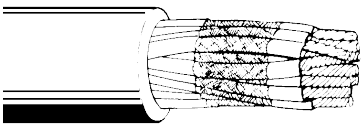
Anixter Number	Military Part Number M24643/44	Number of Triads	Nominal O.D.	
			Min. IN	Max. IN
LS3SF-7	-01UN	7	1.000	1.040

1/ Change UN to AN for LS1SA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS2U, LS2UA

MIL-C-24643/45
10 Through 60 Pairs with Overall Shield
300 Volts,Non-watertight
Non-flexing Service, 26 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Telephone identification code by Method 3
4. PAIR: Two conductors cabled to form pair
5. ASSEMBLY: The required number of pairs cabled consecutively, binder tape
6. SHIELD: Braided tin-coated copper shield
7. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2UA, same construction with overall braided aluminum armor.

APPLICATIONS

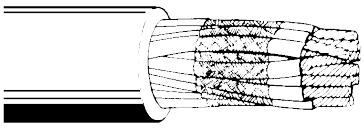
Type LS2U/A cables are overall shielded multipair, 135 Ohm constructions for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to the surface transfer impedance and EMP response time requirements of the specification.

Anixter Number	Military[1]/ Part Number M24643/45	Number of Pairs	Overall Jacket Thick IN	Nominal O.D.				Approximate Weight	
				LS2U		LS2UA		LS2U	LS2UA
				Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS2U/A-10	-01U0	10	.050	.450	.480	.500	.530	.118	.143
LS2U/A-15	-02U0	15	.050	.540	.560	.580	.610	.164	.191
LS2U/A-19	-03U0	19	.050	.550	.580	.600	.630	.185	.216
LS2U/A-30	-04U0	30	.050	.670	.700	.720	.750	.257	.290
LS2U/A-45	-05U0	45	.050	.830	.870	.880	.920	.360	.394
LS2U/A-60	-06U0	60	.065	.920	.960	.970	1.010	.442	.483

MIL-C-24643 (LOW-SMOKE)

Type: LS1SAU, LS1SA

MIL-C-24643/46
40 Pairs with Overall Shield, 600 Volts
Watertight, Non-flexing Service, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Telephone identification code by Method 3.
4. ASSEMBLY: Two conductors cabled to form pair, forty pairs cabled consecutively with filler, binder tape
5. SHIELD: Braided shield of tin-coated, binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2SWA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS2W 4U/A cables are overall shielded multipair constructions for watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to the surface transfer impedance and EMP response time requirements of the specification.

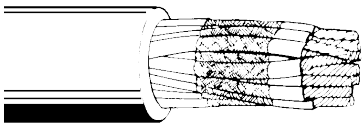
Anixter Number	Military[1]/ Part Number M24643/46	Number of Pairs	Nominal O.D.				Approximate Weight	
			LS2WAU		LS2WA		LS2WAU	LS2WA
			Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS2WAU/A-40	-01UO	40	1.320	1.370	1.370	1.420	.741	1.030

1/ Change UO to AO for LS2WA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS1SMWU, LS1SMWA

MIL-C-24643/47
70 Shielded Singles, Watertight
Non-flexing Service, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 3
4. SHIELD: Braided shield of tin-coated, binder tape
5. SHIELD INSULATION: Two sealed polyester tapes
6. ASSEMBLY: Seventy single cabled consecutively with fillers, binder tape
7. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS1SMWA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LS2W 4U/A cables are individually shielded multiconductor constructions suitable for watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

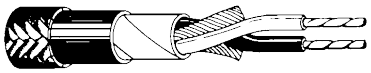
Anixter Number	Military[1]/ Part Number M24643/47	Number of Singles	Nominal O.D.				Approximate Weight	
			LS1SMWU		LS1SMWA		LS1SMWU	LS1SMWA
			Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LS1SMWU/A-70	-01UN	70	1.465	1.555	1.515	1.605	1.565	2.052

1/ Change UO to AO for LS1SMWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LSDNW, LSDNWA

MIL-C-24643/48
2 Conductor, 1,000 Volts, Non-watertight
Non-flexing Service



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper with opaque white separator
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 1
4. ASSEMBLY: Two conductors cabled with fillers, binder
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LSDNWA same construction with overall braided aluminum armor.

APPLICATIONS

Type LSDNW/A cables are multiconductor armored or unarmored. These cables may be used for power, lighting, or weapons control system interconnection except where unusual circuit parameters require a special type of cable. This type of cable shall be used only for runs that are either totally within one compartment or totally within two contiguous compartments. However, these types of cables shall not be used where a watertight deck or watertight bulkhead below flooding water level II (FWL-II) is penetrated.

Anixter Number	Military1/ Part Number M24643/48	Conductor Size	Insul. Thick.	Overall Jacket Thick.	Nominal O.D. IN				Amps Per Conductor LSDNW		Approximate Weight LSDNWA	
					LSDNW		LSDNWA					
		AWG	IN	IN	Min.	Max.	Min.	Max.	40°C	50°C	Lbs./Ft.	Lbs./Ft.
LSDNW/A-3	-01UN	16 (class B)	.030	.040	.361	.390	.411	.440	13	12	.071	.090
LSDNW/A-4	-02UN	14 (class B)	.030	.040	.398	.430	.448	.480	22	20	.092	.112
LSDNW/A-9	-03UN	10 (class B)	.030	.040	.504	.545	.554	.595	44	41	.179	.209
LSDNW/A-14	-04UN	9 (class B)	.045	.040	.564	.610	.614	.660	60	55	.204	.230
LSDNW/A-23	-05UN	7 (class B)	.045	.045	.638	.690	.688	.740	78	72	.292	.329
LSDNW/A-50	-06UN	3 (class C)	.045	.050	.842	.910	.892	.960	126	116	.603	.660
LSDNW/A-75	-07UN	1 (class C)	.055	.055	1.000	1.080	1.050	1.100	168	185	.882	.939
LSDNW/A-100	-08UN	0 (class D)	.055	.055	1.082	1.170	1.132	1.220	199	183	1.058	1.126

1/ Change UN to AN for LSDNWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LSTNW, LSTNWA

MIL-C-24643/49
3 Conductor, 1,000 Volts, Non-watertight
Non-flexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper with opaque white separator.
2. INSULATION: Cross-linked polyethylene.
3. IDENTIFICATION: Standard identification code by Method 1.
4. ASSEMBLY: Three conductors cabled with fillers, binder.
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking.

LSTNWA same construction with overall braided aluminum armor.

APPLICATIONS

Type LSTNW/A cables are multiconductor armored or unarmored. These cables may be used for power, lighting, or weapons control system interconnection except where unusual circuit parameters require a special type of cable. This type of cable shall be used only for runs that are either totally within one compartment or totally within two contiguous compartments. However, these types of cables shall not be used where a watertight deck or watertight bulkhead below flooding water level II (FWL-II) is penetrated.

Anixter Number	Military[1]/ Part Number M24643/49	Conductor Size AWG	Insul. Thick. IN	Overall Jacket Thick. IN	Nominal O.D. IN				Amps Per Conductor		Approximate Weight	
					LSTNW		LSTNWA				LSTNW	LSTNWA
					Min.	Max.	Min.	Max.	40°C	50°C	Lbs./Ft.	Lbs./Ft.
LSTNW/A-3	-01UN	16 (class B)	.030	.040	.380	.411	.430	.461	11	10	.085	.107
LSTNW/A-4	-02UN	14 (class B)	.030	.040	.415	.449	.465	.499	18	17	.107	.130
LSTNW/A-9	-03UN	10 (class B)	.030	.040	.578	.625	.628	.675	39	36	.240	.271
LSTNW/A-14	-04UN	9 (class B)	.045	.050	.620	.670	.670	.720	51	47	.271	.306
LSTNW/A-23	-05UN	7 (class B)	.045	.055	.703	.760	.753	.810	69	64	.390	.427
LSTNW/A-50	-06UN	3 (class C)	.045	.060	.869	.969	.919	1.019	110	101	.793	.868
LSTNW/A-75	-07UN	1 (class C)	.055	.070	1.048	1.134	1.098	1.184	148	136	1.200	1.276
LSTNW/A-100	-08UN	0 (class D)	.055	.075	1.171	1.266	1.221	1.316	174	160	1.452	1.510
LSTNW/A-150	-09UN	000 (class D)	.055	.075	1.401	1.515	1.451	1.565	235	216	2.218	2.277

1/ Change UN to AN for LSTNWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LSFNW, LSFNWA

MIL-C-24643/50
4 Conductors, 1000 volts, Nonwatertight
Nonflexing Service

SPECIFICATIONS

1. CONDUCTOR: Stranded uncoated copper conductor
2. INSULATION: cross-linked polyethylene insulation
3. IDENTIFICATION: Standard Identification Code by Method 1
4. ASSEMBLY: Four conductors cabled with fillers, binder
5. OVERALL JACKET: cross-linked polyolefin jacket

LSFNWA: same, braided aluminum armor, paint

APPLICATIONS

Type LSFNW and LSFNWA cables are 4 conductor for watertight, nonflexing service. They are available with or without armor.
They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

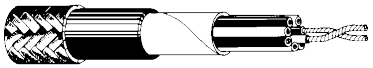
Anixter No.	Military Part Number M24643/50	Conductor Size AWG	Insulation Thickness IN	Overall Jacket Thickness IN	Nominal O.D. IN
LSFNW-3	-01UN	16 (Class B)	0.030	0.040	0.477
LSFNW-4	-02UN	14 (Class B)	0.030	0.040	0.513
LSFNW-9	-03UN	10 (Class B)	0.030	0.040	0.630
LSFNW-23	-04UN	7 (Class B)	0.045	0.055	0.830
LSFNW-50	-05UN	3 (Class C)	0.062	0.055	1.050
LSFNW-75	-06UN	1 (Class C)	0.062	0.065	1.240
LSFNW-100	-07UN	0 (Class D)	0.062	0.065	1.385
LSFNW-150	-08UN	000 (Class D)	0.062	0.065	1.625
LSFNW-200	-09UN	0000 (Class D)	0.072	0.065	1.820

Diameters and weights may vary between manufacturers.
Unarmored. When armor option is required, substitute “A” in lieu of “U”.

MIL-C-24643 (LOW-SMOKE)

Type: LSMNW, LSMNWA

MIL-C-24643/51
7 Through 44 Conductor, 1,000 Volts
Non-watertight, Non-flexing Service
18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper with opaque white separator
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 1
4. ASSEMBLY: The required number of conductors cabled consecutively with fillers, binder
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LSMNWA same construction with overall braided aluminum armor.

APPLICATIONS

Type LSMNW/A cables are multiconductor armored or unarmored. These cables may be used for power, lighting, or weapons control system interconnection except where unusual circuit parameters require a special type of cable. This type of cable shall be used only for runs that are either totally within one compartment or totally within two contiguous compartments. However, these types of cables shall not be used where a watertight deck or watertight bulkhead below flooding water level II (FWL-II) is penetrated.

Anixter Number	Military[1]/ Part Number M24643/51	Number of Cond.	Nominal O.D. IN				Cold Bend Mandrel Dia.	Amps Per Conductor		Approximate Weight	
			LSMNW		LSMNWA					LSMNW	LSMNWA
			Min.	Max.	Min.	Max.	Max. IN	40°C	50°C	Lbs./Ft.	Lbs./Ft.
LSMNW/A-7	-01UN	7	.370	.400	.420	.450	3	3	9/6*	.088	.111
LSMNW/A-10	-02UN	10	.457	.495	.507	.545	3	3	9/6	.127	.154
LSMNW/A-14	-03UN	14	.494	.535	.544	.585	4	4	9/6	.155	.181
LSMNW/A-19	-04UN	19	.545	.590	.595	.640	4	4	9/6	.198	.231
LSMNW/A-24	-05UN	24	.633	.685	.683	.735	5	5	9/5	.259	.292
LSMNW/A-30	-06UN	30	.670	.725	.720	.775	5	5	9/5	.300	.339
LSMNW/A-37	-07UN	37	.726	.783	.776	.835	6	6	9/5	.361	.395
LSMNW/A-44	-08UN	44	.823	.890	.873	.940	7	7	9/4	.447	.489

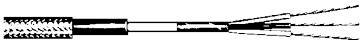
1/ Change UN to AN for LSMNWA (armored)

*Ind/avg indicates the maximum current per conductor (ind.) and the max-conductors in the cable are used

MIL-C-24643 (LOW-SMOKE)

Type: LSTPNW, LSTPNWA

MIL-C-24643/52
1½ Through 40 Pairs, 300 Volts,Non-watertight
Non-flexing Service, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Ethylene or propylene rubber or cross-linked polyethylene.
3. IDENTIFICATION: Telephone identification code by Method 3.
4. PAIR: Two conductors (three for size 1) cabled to form pair.
5. ASSEMBLY: The required number of pairs cabled consecutively, binder tape.
6. SHIELD: Braided tin-coated copper shield.
7. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking.

LSTPNWA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LSTPNW/A cables are unshielded multipair constructions, suitable for non-watertight, non-flexing service. They may be used to interconnect audio, telephone, call bell, announcing and alarm systems. They may be used for other interior communication and weapon control systems provided the ampere rating of the cable and voltage drop for the system are not exceeded.

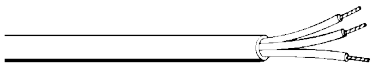
Anixter Number	Military[1]/ Part Number M24643/52	Number of Pairs	Overall Jacket Thick IN	Nominal O.D.				Approximate Weight	
				LSTPNW		LSTPNWA		LSTPWN	LSTPNWA
				Min. IN	Max. IN	Min. IN	Max. IN	Lbs./Ft.	Lbs./Ft.
LSTPNW/A-1 ½	-01UN	1½	.040	.217	.235	.235	.285	.024	.032
LSTPNW/A-3	-02UN	3	.040	.287	.310	.310	.360	.039	.062
LSTPNW/A-5	-03UN	5	.040	.338	.365	.365	.415	.059	.074
LSTPNW/A-10	-04UN	10	.040	.435	.470	.470	.520	.104	.126
LSTPWN/A-15	-05UN	15	.040	.490	.530	.530	.580	.138	.161
LSTPWN/A-20	-06UN	20	.040	.532	.575	.575	.625	.172	.201
LSTPWN/A-30	-07UN	30	.050	.629	.680	.680	.730	.255	.288
LSTPWN/A-40	-08UN	40	.050	.708	.765	.765	.815	.328	.370

1/ Change UN to AN for LSTPNWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LSSRW, LSDRW, LSTRW, LSSRWA, LSDRWA, LSTRWA

MIL-C-24643/53
1, 2 and 3 Conductors, 3000 Volts, Watertight
Non-flexing Service, 14 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper (optional separator)
2. INSULATION: Black cross-linked polyethylene
3. IDENTIFICATION: Standard identification code by Method 1
4. ASSEMBLY: On types LSDRW and LSTRW-two or three conductors cabled with fillers, binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LSSRWA, LSDRWA, LSTRWA, same construction with overall braided aluminum armor.

APPLICATIONS

Type LSSRW/A, LSDRW/A, LSTRW/A cables are single conductor, two conductor and three conductor; they are suitable for watertight, non-flexing service; and may be either armored or unarmored. They have a 3000 volt rating and may be used for radio applications.

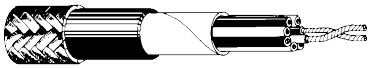
Anixter Number	Military[1]/ Part Number M24643/53	Number of Cond.	Nominal O.D. IN	Amps Per Conductor		Approximate Weight Lbs./Ft.
				40°C	50°C	
LSSRW	-01UN	1	.400	32	30	.106
LSDRW	-02UN	2	.670	26	24	.298
LSTRW	-03UN	3	.710	24	22	.323
LSSRWA	-04UN	1	.450	32	30	.134
LSDRWA	-05UN	2	.720	26	24	.335
LSTRWA	-06UN	3	.760	24	22	.353

1/ Change UN to AN for LSSRWA, LSDRWA, LSTRWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LS8NW6, LS8NWA6

MIL-C-24643/54
8 Conductors, Non-watertight
Non-flexing Service, 12 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Standard colour code, Method 1
4. ASSEMBLY: 8 conductors cabled together with fillers, binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS8NWA6, same construction with overall braided aluminum armor.

APPLICATIONS

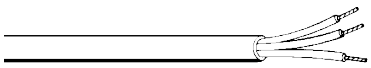
Special purpose, control.

Anixter Number	Military Part Number M24643/54	Number of Conductors	Nominal O.D. IN	Approximate Weight Lbs./Ft.
LS8NW6	-01UN	8	.670	.366
LS8NWA6	-02AN	8	.720	.413

MIL-C-24643 (LOW-SMOKE)

Type: LS4NW8, LS4NWA8

MIL-C-24643/55
4 Conductors, Non-watertight
Non-flexing Service, 8 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Standard colour code, Method 1
4. ASSEMBLY: 4 conductors cabled together with fillers, binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS4NWA8, same construction with overall braided aluminum armor.

APPLICATIONS

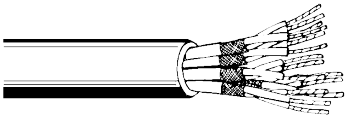
Special purpose, control.

Anixter Number	Military Part Number M24643/55	Number of Conductors	Nominal O.D. IN	Approximate Weight Lbs./Ft.
LS4NW8	-01UN	4	.740	.612
LS4NWA8	-02AN	4	.790	.691

MIL-C-24643 (LOW-SMOKE)

Type: LS2SWL-7, LS2SWLA-7

MIL-C-24643/56
7 Shielded Pairs, Watertight
Non-flexing Service, 16 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. PAIR: Two conductors twisted to form pair
4. SHIELD: Tinned copper-braid shield
5. ASSEMBLY: 2 polyester tapes, 7 shielded pairs cabled, binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2SWLA-7, same construction with overall braided aluminum armor.

APPLICATIONS

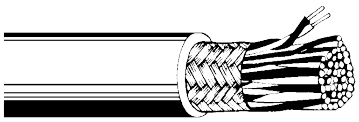
Types LS2SWL/A cables are individually shielded multipair constructions suitable for watertight, non-flexing service. They are available with or without armor. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required.

Anixter Number	Military Part Number M24643/56	Min. Cable Diameter IN	Max. Cable Diameter IN	Approximate Weight Lbs./Ft.
LS2SWL-7	-01UN	.860	.910	.910
LS2SWLA-7	-02AN	.910	.960	.960

MIL-C-24643 (LOW-SMOKE)

Type: LS2UW-42, LS2UWA-42, LS2UWS-42

MIL-C-24643/57
42 Pairs with Overall Shield, 300 Volts
Watertight, Non-flexing Service, 26 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. IDENTIFICATION: Telephone identification code by Method 3
4. ASSEMBLY: Two conductors cabled to form pair, 42 pairs cabled together consecutively with fillers, binder tape
5. SHIELD: Braid shield of tin-coated copper, separator tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

LS2UWA-42, same construction with overall braided aluminum armor.
LS2UWS-42, same construction with double overall shield.

APPLICATIONS

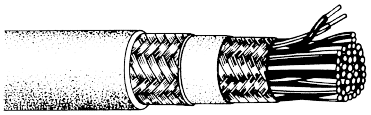
Type LS2UW/A/S cables are overall shielded multi-pair, 115 ohm constructions suitable for watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding of type LS2UWS conforms to the surface transfer impedance and EMP response time requirements of this specification.

Anixter Number	Military Part Number M24643/57	Min. Cable Diameter IN	Max. Cable Diameter IN	Approximate Weight Lbs./Ft.
LS2UW-42	-01U0	.750	.790	.493
LS2UWA-42	-02A0	.800	.840	.559
LS2UWS-42	-03UD	.785	.825	.665

MIL-C-24643 (LOW-SMOKE)

Type: LS2CS

MIL-C-24643/58
Pairs, 300 Volts, Watertight
Non-flexing Service, 26 AWG



SPECIFICATIONS

1. CONDUCTOR: Tin-coated copper
2. INSULATION: Cross-linked polyethylene
3. ASSEMBLY: Conductors twisted to form a pair, required number of pairs cabled
4. SHIELD: Tinned copper-braid shield, binder and tinned copper-braid shield, binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

Type LS2CS cables are double, isolated overall shielded multipair, 135 ohm constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz is required. The overall shielding conforms to the surface transfer impedance and EMP response time requirements of the specification.

Anixter Number	Military Part Number M24643/58	Overall Jacket Thickness IN	Min. Cable Diameter IN	Max. Cable Diameter IN	Approximate Weight Lbs./Ft.
LS2CS-6	-01UD	.050	.400	.430	.126
LS2CS-18	-02UD	.050	.550	.590	.235
LS2CS-42	-03UD	.050	.750	.800	.419
LS2CS-60	-04UD	.065	.880	.930	.562
LS2CS-77	-05UD	.085	1.000	1.070	.651

1/ Change UN to AN for LSTPNWA (armored)

MIL-C-24643 (LOW-SMOKE)

Type: LSC5FS, LSC5FSW, LSC50S, LSC50SW

MIL-C-24643/59
Shielded, CAT 5e, Watertight and Nonwatertight
24 AWG

SPECIFICATIONS

1. CONDUCTOR: Solid Copper Conductor
2. SHIELD: Tinned Copper Braided Shield
3. INSULATION: Cross-linked polyolefin insulation
4. IDENTIFICATION: Wire identification codes shall be in compliance with ANSI/TIA-568-C.2
5. ASSEMBLY: Two insulated conductors, twisted together such that they comply with the electrical requirements specified herein.
6. OVERALL JACKET: Cross-linked polyolefin jacket

LSC5FS: Metallic Foil Shield, Non-Watertight
LSC5FSW: Metallic Foil Shield, Watertight
LSC50S: Metallic Foil and Braid Shield, Non-Watertight
LSC50SW: Metallic Foil and Braid Shield, Watertight

APPLICATIONS

Type LSC5FS, LSC5FSW, LSC50S and LSC50SW cables are Category 5e with watertight and nonwatertight options. These cables provide two major solutions for shipboard communications: Replacement of halogenated insulations (PVC, Fluoropolymers) in confined shipboard compartments, thereby eliminating a major source of halogenated toxic gases in the event of fire. Maintains exceptional main link data communication capabilities in accordance with current ANSI/TIA/EIA 568C.2 standards for Local Area Network (LAN) premise wiring.

Anixter Number	Military Part Number M24643/59	Number of Pairs	Shield	Watertight	Jacket Colour	Nominal O.D. IN
LSC5FS-4	-01U0	4	Foil	No	Black	0.310
LSC5FSW-4	-02U0	4	Foil	Yes	Black	0.320
LSC50S-4	-03U0	4	Foil + Braid	No	Black	0.350
LSC50SW-4	-04U0	4	Foil + Braid	Yes	Black	0.375

Diameters and weights may vary between manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LSPB2SD, LSPB2SDW, LSPB2SDOS, LSPB2SDOSW

MIL-C-24643/62
Shielded, Profibus, Watertight and Nonwatertight,
22 AWG

SPECIFICATIONS

1. CONDUCTOR: Solid Copper Conductor
2. SHIELD: Tinned Copper Braided Shield
3. INSULATION: Cross-linked polyolefin insulation
4. IDENTIFICATION: Identification codes for pair – red and green
5. ASSEMBLY: Two insulated conductors, twisted together with appropriate fillers to make a round cable such that they comply with the electrical requirements specified herein.
6. OVERALL JACKET: Cross-linked polyolefin jacket

LSPB2SD: Single shield with drain, non-watertight
LSPB2SDW: Single shield with drain, watertight
LSPB2SDOS: Double shield with drain, non-watertight
LSPB2SDOSW: Double shield with drain, watertight

APPLICATIONS

Type LSPB2SD, LSPB2SDW, LSPB2SDOS AND LSPB2SDOSW cables are either a single or double shield twisted pair intended for use with Profibus data communication systems. These cables provide two major solutions for shipboard communications: Replacement of halogenated insulations (PVC, Fluoropolymer) in confined ship-board compartments, thereby eliminating a major source of halogenated toxic gases in the event of fire. Maintains exceptional data communication capabilities in accordance with commercial Profibus protocol standards.

Anixter No.	Military Part Number M24643/62	Number of Pairs	Shield	Watertight	Jacket Colour	Nominal O.D. IN
LSPB2SD-1	-01	1	Single	No	Black	0.390
LSPB2SDW-1	-02	1	Single	Yes	Black	0.405
LSPB2SDOS-1	-03	1	Double	No	Black	0.500
LSPB2SDOSW-1	-04	1	Double	Yes	Black	0.530

Diameters and weights may vary between manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LSYSGU

MIL-C-24643/63
7 Conductors, 1000 Volts, Watertight,
Flexing Service

SPECIFICATIONS

1. CONDUCTOR: Coated Copper Conductor
2. INSULATION: Extruded silicone rubber, or silicone rubber-glass tape insulation
3. IDENTIFICATION: Identification codes for pair – red and green
4. ASSEMBLY: Seven conductors cabled together with a left-hand lay of six conductors around the center conductor
5. OVERALL JACKET: Cross-linked polyolefin jacket

APPLICATIONS

Type LSYSGU cable type is a watertight cable for circuit integrity, specifically designed for single circuit, three-phase, connected (with neutral wire), 60 or 400 Hertz, electrical power distribution.

Anixter Number	Military Part Number M24643/63	Conductor Size AWG	Amps per Phase (2 Conductors)		Jacket Thickness	Overall Diameter	Approx. Weight. Lbs. Ft.
			40°C Ambient	50 C Ambient	Min. IN	Max. IN	
LSYSGU-01	-01UN	16	18	16	0.040	0.535	0.188
LSYSGU-02	-02UN	14	29	27	0.040	0.580	0.255
LSYSGU-03	-03UN	12	39	36	0.040	0.640	0.314
LSYSGU-04	-04UN	10	62	58	0.040	0.730	0.420
LSYSGU-05	-05UN	8	84	77	0.050	1.000	0.725
LSYSGU-06	-06UN	4	145	133	0.050	1.206	1.400
LSYSGU-07	-07UN	2	193	178	0.060	1.426	2.000
LSYSGU-08	-08UN	1	237	218	0.060	1.541	2.400
LSYSGU-09	-09UN	0	272	254	0.060	1.669	3.000
LSYSGU-10	-10UN	00	320	294	0.065	1.828	3.750
LSYSGU-11	-11UN	000	376	346	0.065	1.990	4.500

Diameters and weights may vary among manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LS20W

MIL-C-24643/66
2 Conductors, 1000 Volts, Watertight, Flexing Service

SPECIFICATIONS

1. CONDUCTOR: Coated Copper Conductor
2. INSULATION: Thermoset insulation, extruded or taped, with optional glass braid
3. IDENTIFICATION: Standard identification code applied by Method 1, 3, or 5
4. ASSEMBLY: Two conductors shall be cabled together to form a firm, well-rounded assembly with a lay not less than 8 or greater than 16 times the cabled diameter
5. SHIELD: Braided shield of tin-coated copper
6. OVERALL JACKET: Cross-linked polyolefin jacket

APPLICATIONS

Type LS20W cables are two conductor either armored or unarmored. They are watertight and meet the 1 hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

Anixter Number	Military Part Number M24643/63	Conductor Size AWG	Insulation Thickness Min. Avg. IN	Jacket Thickness Min. Avg. IN	Overall Diameter		Conductor Resistance per 1000 Feet at 25 °C (ohms)
					Min. IN	Max. IN	
LS20W-3	-01U0	16 (Class B)	0.018	0.027	0.412	0.442	4.300
LS20W-4	-02U0	14 (Class B)	0.018	0.028	0.429	0.460	2.680
LS20W-9	-03U0	10 (Class B)	0.018	0.036	0.513	0.551	1.080
LS20W-14	-04U0	9 (Class B)	0.025	0.040	0.639	0.686	.0859
LS20W-23	-05U0	7 (Class B)	0.025	0.050	0.743	0.797	0.543
LS20W-50	-06U0	3 (Class C)	0.035	0.050	0.894	0.959	0.210
LS20W-75	-07U0	1 (Class C)	0.035	0.050	1.033	1.108	0.134
LS20W-100	-08U0	0 (Class D)	0.035	0.060	1.149	1.232	0.106
LS20W-200	-09U0	0000 (Class D)	0.050	0.060	1.519	1.630	0.053

Diameters and weights may vary among manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LS3OW

MIL-C-24643/67
3 Conductors, 1000 Volts, Watertight, Flexing Service

SPECIFICATIONS

1. CONDUCTOR: Coated Copper Conductor
2. INSULATION: Thermoset insulation, extruded or taped, with optional glass braid
3. IDENTIFICATION: Standard identification code applied by Method 1, 3, or 5
4. ASSEMBLY: Three conductors shall be cabled together to form a firm, well-rounded assembly with a lay not less than 8 or greater than 16 times the cabled diameter
5. SHIELD: Braided shield of tin-coated copper
6. OVERALL JACKET: Cross-linked polyolefin jacket

APPLICATIONS

Type LS3OW cables are three conductor either armored or unarmored. They are watertight and meet the 1 hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

Anixter Number	Military Part Number M24643/66	Conductor Size AWG	Insulation Thickness Min. Avg. IN	Jacket Thickness Min. Avg. IN	Overall Diameter Min. IN	Overall Diameter Max. IN	Conductor Resistance per 1000 Feet at 25 °C (ohms)
LS3OW-3	-01UO	16 (Class B)	0.018	0.027	0.431	0.463	4.300
LS3OW-4	-02UO	14 (Class B)	0.018	0.028	0.449	0.482	2.680
LS3OW-9	-03UO	10 (Class B)	0.018	0.036	0.540	0.580	1.080
LS3OW-14	-04UO	9 (Class B)	0.025	0.040	0.684	0.733	0.859
LS3OW-23	-05UO	7 (Class B)	0.025	0.050	0.769	0.853	0.543
LS3OW-50	-06UO	3 (Class C)	0.035	0.050	0.957	1.027	0.210
LS3OW-75	-07UO	1 (Class C)	0.035	0.050	1.107	1.187	0.134
LS3OW-100	-08UO	0 (Class D)	0.035	0.060	1.231	1.321	0.106
LS3OW-200	-09UO	0000 (Class D)	0.050	0.060	1.630	1.748	0.053
LS3OW-300	-10UO	300 MCM (Class D)	0.050	0.075	1.916	2.055	0.037
LS3OW-400	-11UO	400 MCM (127)	0.050	0.075	2.190	2.349	0.027

Diameters and weights may vary among manufacturers.

MIL-C-24643 (LOW-SMOKE)

Type: LS4OW

MIL-C-24643/68
4 Conductors, 1000 Volts, Watertight,
Flexing Service

SPECIFICATIONS

1. CONDUCTOR: Coated Copper Conductor
2. INSULATION: Thermoset insulation, extruded or taped, with optional glass braid
3. IDENTIFICATION: Standard identification code applied by Method 1, 3, or 5
4. ASSEMBLY: Four conductors shall be cabled together to form a firm, well-rounded assembly with a lay not less than 8 or greater than 16 times the cabled diameter
5. SHIELD: Braided shield of tin-coated copper
6. OVERALL JACKET: Cross-linked polyolefin jacket

APPLICATIONS

Type LS4OW cables are four conductor either armored or unarmored. They are watertight and meet the 1 hour fire electrical circuit integrity requirements of this specification. These cables may be used for power, lighting, or weapon control system interconnection except where unusual circuit parameters require a special type of cable. They are also used for degaussing applications.

Anixter Number	Military Part Number M24643/68	Conductor Size AWG	Insulation Thickness Min. Avg. IN	Jacket Thickness Min. Avg. IN	Overall Diameter Min. IN	Overall Diameter Max. IN	Conductor Resistance per 1000 Feet at 25 °C (ohms)
LS4OW-3	-01UO	16 (Class B)	0.018	0.027	0.463	0.497	4.300
LS4OW-4	-02UO	14 (Class B)	0.018	0.028	0.485	0.521	2.680
LS4OW-9	-03UO	10 (Class B)	0.018	0.036	0.586	0.631	1.080
LS4OW-14	-04UO	9 (Class B)	0.018	0.040	0.772	0.828	0.859
LS4OW-23	-05UO	7 (Class B)	0.030	0.050	0.900	0.965	0.543
LS4OW-50	-06UO	3 (Class C)	0.030	0.050	1.084	1.163	0.210
LS4OW-75	-07UO	1 (Class C)	0.035	0.050	1.254	1.345	0.134
LS4OW-100	-08UO	0 (Class D)	0.035	0.060	1.396	1.498	0.106
LS4OW-150	-09UO	000 (Class D)	0.050	0.060	1.600	1.725	0.067
LS4OW-200	-10UO	0000 (Class D)	0.050	0.060	1.850	1.984	0.053
LS3OW-400	-11UO	400 MCM (127)	0.050	0.075	2.190	2.349	0.027

Diameters and weights may vary among manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: DX, DXA

MIL-C-24640/1
Non-watertight, Power Supply

SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12).
3. ASSEMBLY: Two conductors cabled, optional binder tape.
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking.
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature.

DXA, same construction with braided aluminum armor.

APPLICATIONS

These two conductor power cables are suitable for non-watertight, non-flexing service. They are available with or without armor. They may be used for power or control applications except where unusual circuit parameter (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for uses within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

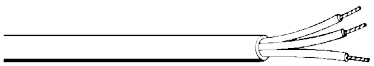
Anixter Number	Military Part Number M24640/1	Number of Cond.	Overall Armor	Cond. Size and Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C AMPS	Approximate Weight Lbs./Ft.
DX-3	-01UN	2	No	16 AWG (19/29)	031	223	.241	13	.0394
DX-4	-02UN	2	No	14 AWG (19/27)	.034	.266	.286	22	.0568
DXA-3	-01AN	2	Yes	16 AWG (19/29)	.031	.273	.291	13	.0544
DXA-4	-02AN	2	Yes	14 AWG (19/27)	.034	.316	.336	22	.0738

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: TX, TXA

MIL-C-24640/2
Non-watertight, Power Supply



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. ASSEMBLY: Three conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

TXA, same construction with braided aluminum armor.

APPLICATIONS

These three conductor power cables are suitable for non-watertight, non-flexing service. They are available with or without armor. They may be used for power or control applications except where unusual circuit parameter (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for uses within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

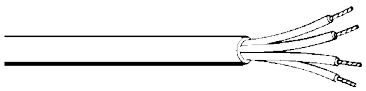
Anixter Number	Military Part Number M24640/2	Number of Cond.	Overall Armor	Cond. Size and Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C AMPS	Approximate Weight Lbs./Ft.
TX-3	-01UN	3	No	16 AWG (19/29)	034	.243	.261	11	.0516
TX-4	-02UN	3	No	14 AWG (19/27)	.038	.288	.310	18	.0756
TXA-3	-01AN	3	Yes	14 AWG (19/27)	.034	.293	.311	11	.0676
TXA-4	-02AN	3	Yes	14 AWG (19/27)	.038	.338	.360	18	.0946

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: FX, FXA

MIL-C-24640/3
Non-watertight, Power Supply



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. ASSEMBLY: Four conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

FXA, same construction with braided aluminum armor.

APPLICATIONS

These four conductor power cables are suitable for non-watertight, non-flexing service. They are available with or without armor. They may be used for power or control applications except where unusual circuit parameter (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for uses within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

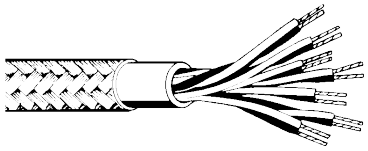
Anixter Number	Military Part Number M24640/1	Number of Cond.	Overall Armor	Cond. Size and Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C AMPS	Approximate Weight Lbs./Ft.
DX-3	01UN	2	No	16 AWG (19/29)	.031	.223	.241	13	.0394
DX-4	-02UN	2	No	14 AWG (19/27)	.034	.266	.286	22	.0568
DXA-3	-01AN	2	Yes	16 AWG (19/29)	.031	.273	.291	13	.0544
DXA-4	-02AN	2	Yes	14 AWG (19/27)	.034	.316	.336	22	.0738

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: TTX, TTXA

MIL-C-24640/4
Non-watertight, Power Supply, 20 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. ASSEMBLY: Four conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

TTXA, same construction with braided aluminum armor.

APPLICATIONS

These unshielded multipair constructions are suitable for non-watertight, non-flexing service. They are available with or without armor. They may be use to interconnect audio, telephone, call bell, announcing and alarm systems. They may also be used for interior communication and weapon control system provided the ampere rating of the cable and voltage drop for the system are not exceeded. These cables shall be used only for uses within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.

Anixter Number	Military Part Number M24640/4	Number of Pairs	Overall Armor	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C AMPS Ind/Avg.*	Approximate Weight Lbs./Ft.
TTX-3	-01UN	3	No	.034	.262	.282	11	.0630
TTX-15	-02UN	15	No	.038	.311	.335	18	.0926
TTXA-3	-01AN	3	Yes	.034	.312	.332	11	.0800
TTXA-15	-02AN	15	Yes	.038	.361	.385	18	.1126

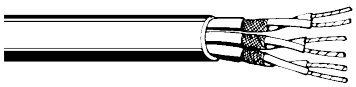
*Ind/Avg. indicates the maximum current per conductor (Ind) and the maximum current (Avg.) per conductor when all conductors in the table are used

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: TTXS, TTXSA, TTXSO

MIL-C-24640/5
Non-watertight, Shielded Pairs, 20 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. PAIR: Two conductors twisted to form pair
4. SHIELD: Shielded with braided tinned copper, plus a tape shield isolation
5. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

TTXSA, same construction with braided aluminum armor.
TTXSO, same construction as TTXS with additional overall tinned copper-braided shield.

APPLICATIONS

These cables are 40 ohm individually shielded multi-pair constructions suitable for non-watertight, non-flexing service. They are available both with and without armor or an overall shield. They may be used to interconnect electronic, communication and instrumentation systems for radio frequency applications up to two megahertz. The maximum total copper operating temperature shall not exceed 75°C. The overall shielding of type TTXSO conforms to surface impedance and EMP response requirements of the specification.

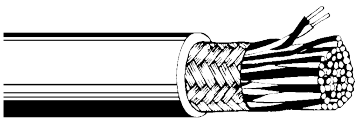
Anixter Number	Military Part Number M24640/5	Number of Cond.	Overall Armor	Overall Shield	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
TTXS-2	-01UN	2	No	No	.038	.335	.361	.0743
TTXS-4	-02UN	4	No	No	.041	.393	.424	.1150
TTXSA-2	-01AN	2	Yes	No	.038	.385	.411	.1002
TTXSA-4	-02AN	4	Yes	No	.041	.443	.474	.1504
TTXSO-2	-01UO	2	No	Yes	.041	.386	.416	.1260
TTXSO-6	-02UO	6	No	Yes	.044	.506	.546	.2160
TTXSO-8	-03UO	8	No	Yes	.044	.587	.633	.2840
TTXSO-10	-04UO	10	No	Yes	.044	.627	.675	.3110

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 2XAO

MIL-C-24640/6
Non-watertight, Overall Shielded,
Pairs, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. PAIR: Two conductors twisted to form pair
4. SHIELD: Tinned copper-braid shield (optional binder tape)
5. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

These cables are overall shielded multipair constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to surface impedance and EMP response requirements of the specification.

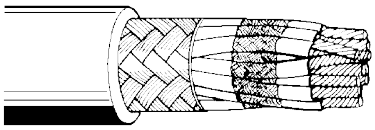
Anixter Number	Military Part Number M24640/6	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XAO-2	-01U0	2	.201	.038	.307	.331	.794
2XAO-7	-02U0	7	.289	.041	.392	.422	.1250
2XAO-10	-03U0	10	.383	.041	.475	.511	.1701
2XAO-18	-04U0	18	.471	.044	.567	.611	.2450
2XAO-40	-05U0	40	.712	.047	.796	.858	.4490

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 1XMSO

MIL-C-24640/7
Non-watertight, Shielded Component,
Overall Shield, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. SHIELD: Individual conductors shielded with braided tinned copper, plus tape shield isolation
4. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

These cables are individually shielded 55 ohm multipair constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to surface impedance and EMP response requirements of the specification.

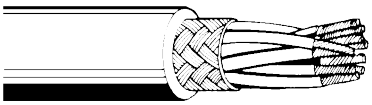
Anixter Number	Military Part Number M24640/7	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
1XMSO-7	-01U0	7	.247	.038	.344	.370	.1130
1XSMO-16	-02U0	16	.379	.041	.471	.507	.2080
1XSMO-70	-03U0	70	.785	.047	.859	.925	.6610

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: MXO

MIL-C-24640/8
Non-watertight, Overall Shielded, 20 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. ASSEMBLY: The required number of pairs cabled consecutively
4. SHIELD: Overall braided tinned copper shield (optional binder tape)
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

These overall shielded multiconductor cables are suitable for non-watertight, non-flexing service. They may be used for power, lighting, interior communication weapons control and electronic systems; except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for runs within one compartment or within two contiguous compartments. The overall shielding conforms to surface impedance and EMP response requirements of the specification.

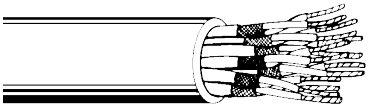
Anixter Number	Military Part Number M24640/8	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
MXO-10	-01U0	10	.253	.038	.349	.377	.1180
MXO-14	-02U0	14	.277	.041	.380	.410	.1470

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 2XS, 2XSA, 2XSO

MIL-C-24640/9
Non-watertight, Shielded Pairs, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12).
3. PAIR: Two conductors twisted to form pair
4. SHIELD: Shield with braided tinned copper, plus a tape shield isolation
5. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

2XSA, same construction with braided aluminum armor

2XSO, same construction with overall braided tinned copper shield

APPLICATIONS

These cables are individually shielded 55 ohm multipair constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 2XSO conforms to surface impedance and EMP response requirements of the specification.

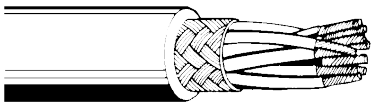
Anixter Number	Military Part Number M24640/9	Number of Pairs	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XS-2	-01UN	2	No	No	.038	.308	.332	.0614
2XS-3	-02UN	3	No	No	.038	.325	.350	.0742
2XS.7	-03UN	7	No	No	.041	.423	.455	.1320
2XS-10	-04UN	10	No	No	.044	.537	.579	.1920
2XS-14	-05UN	14	No	No	.044	.582	.627	.2400
2XS-19	-06UN	19	No	No	.044	.644	.694	.3080
2XS-24	-07UN	24	No	No	.047	.758	.818	.3900
2XS-30	-08UN	30	No	No	.047	.804	.866	.4680
2XSA-2	-01AN	2	Yes	No	.038	.358	.382	.0814
2XSA-3	-02AN	3	Yes	No	.038	.375	.400	.1017
2XSA-7	-03AN	7	Yes	No	.041	.473	.505	.1761
2XSA-10	-04AN	10	Yes	No	.044	.587	.629	.2285
2XSA-14	-05AN	14	Yes	No	.044	.632	.677	.2800
2XSA-19	-06AN	19	Yes	No	.044	.694	.744	.3595
2XSA-24	-07AN	24	Yes	No	.047	.808	.868	.4428
2XSA-30	-08AN	30	Yes	No	.047	.854	.916	.5313
2XSO-3	-01UO	3	No	.271	.048	.380	.410	.1170
2XSO-7	-02UO	7	No	.373	.041	.474	.510	.1840
2XSO-10	-03UO	10	No	.487	.044	.594	.640	.2620
2XSO-14	-04UO	14	No	.541	.044	.636	.686	.3010
2XSO-19	-05UO	19	No	.607	.044	.709	.765	.3830
2XSO-30	-06UO	30	No	.777	.047	.869	.937	.5540

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: MXSO

MIL-C-24640/10
Non-watertight, Overall Shielded, 16 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. ASSEMBLY: The required number of conductors cabled consecutively, optional binder tape
4. SHIELD: Overall braided tinned copper shield (optional binder tape)
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

These cables are overall shielded multiconductor constructions suitable for non-watertight, non-flexing service. They may be used for power, lighting, interior communication weapons control and electronic systems; except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for runs within one compartment or within two contiguous compartments. The overall shielding conforms to surface impedance and EMP response requirements of the specification.

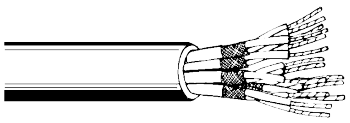
Anixter Number	Military Part Number M24640/10	Number of Cond.	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
MXSO-2	-01U0	2	.175	.034	.282	.304	.0764
MXSO-9	-02U0	9	.325	.041	.424	.458	.1760
MXSO-21	-03U0	21	.456	.044	.552	.596	.3290
MXSO-37	-04U0	37	.562	.044	.644	.694	.4730

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 3XS, 3XSA

MIL-C-24640/11
Non-watertight, Shielded Triad, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. TRIAD: Three conductors cabled to form triad
4. SHIELD: Shielded with braided tinned copper, plus a tape shield isolation.
5. ASSEMBLY: The required number of triads cabled consecutively (optional binder tape)
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

3XSA, same construction with braided aluminum armor.

APPLICATIONS

These cables are individually shielded, 40 ohm multitriad constructions suitable for non-watertight, non-flexing service. They may be used to provided shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required.

Anixter Number	Military Part Number M24640/11	Number of Triads	Overall Shield	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
3XS-7	-01UN	7	No	.044	.601	.647	.2890
3XSA-7	-01AN	7	Yes	.044	.651	.697	.3419

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

1 kV Two Conductor

MIL-C-24640/12
Nonwatertight, Overall Shielded
Pairs, 26 AWG

SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar ® insulation jacket, (single conductors per MIL-W-81044/12).
3. SHIELD: Tinned copper-braid shield .(optional binder tape)
4. ASSEMBLY: Two conductors twisted to form pair, the required number of pairs cabled consecutively, (optional binder tape).
5. OVERALL JACKET: Cross-linked polyolefin jacket, surface marking.

APPLICATIONS

These cables are overall shielded multipair constructions suitable for nonwatertight, nonflexing service. They may be used to provided shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.

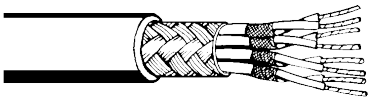
Anixter No.	Military Part Number M24640/12	Number of Pairs	Diameter Overall Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2X0-6	-01U0	6	0.220	0.038	0.305	0.329	.0816
2X0-18	-02U0	18	0.356	0.041	0.417	0449	.1400
2X0-24	-03U0	24	0.420	0.044	0.473	0.509	.1710
2X0-42	-04U0	42	0.536	0.044	0.565	0.609	.2450
2X0-60	-05U0	60	0.622	0.047	0.641	0.691	.3120
2X0-77	-06U0	77	0.714	0.047	0.728	0.785	.3950

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 2XSX0

MIL-C-24640/13
Non-watertight, Overall Shielded,
Shielded Pair, 26 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. ASSEMBLY: Four pairs cabled, binder tape, tinned copper braid shielded overall, optional binder tape
4. SHIELD: Two conductors twisted to form pair, shielded with braided tinned copper, plus a tape shielded isolation
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

These cables are individually shielded multipair constructions suitable for non-watertight, non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to surface impedance and EMP response requirements of the specification.

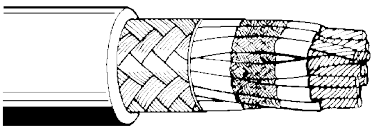
Anixter Number	Military Part Number M24640/13	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XSX0-4	-07U0	4	.243	.038	.333	.359	.1010

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 1XSOW

MIL-C-24640/14
Watertight, Shielded Component
Overall Shield, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. SHIELD: Individual conductors shielded with braided tinned copper, plus tape shield isolation
4. ASSEMBLY: The required conductors cabled consecutively, optional binder tape
5. OVERALL SHIELD: Overall braided tinned copper shield, optional binder tape
6. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

These cables are individually shielded, 60 ohm multiconductor constructions suitable for watertight (25 psi), non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding conforms to the surface transfer impedance and EMP response requirements of the specification.

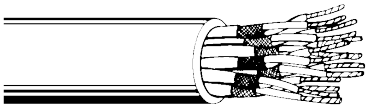
Anixter Number	Military Part Number M24640/14	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
1XSOW-2	-01U0	2	.173	.034	.292	.314	.0830
1XSOW-14	-02U0	14	.362	.041	.470	.506	.2330
1XSOW-20	-03U0	20	.429	.044	.542	.584	.3070
1XSOW-30	-04U0	30	.529	.044	.614	.662	.4290

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 2XSAW, 2XSAWA, 2XSAWOW

MIL-C-24640/15
Watertight, Shielded Pair, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. SHIELD: Two conductors twisted to form pair, shielded with braided tinned copper, plus a tape shield isolation
4. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

2XSAWA, same construction with braided aluminum armor.
2XSAOW, same construction as 2XSAW with overall braided tinned copper shield.

APPLICATIONS

These cables are individually shielded, 60 ohm multiconductor constructions suitable for watertight (25 psi), non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 2XSAOW conforms to the surface impedance and EMP response requirements of the specification.

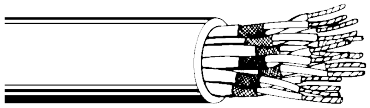
Anixter Number	Military Part Number M24640/15	Number of Pairs	Overall Armor	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XSAW-3	-01UN	3	No	No	.041	.368	.396	.1120
2XSAW-7	-02UN	7	No	No	.041	.461	.497	.1950
2XSAW-14	-03UN	14	No	No	.044	.641	.691	.3840
2XSAWA-3	-01AN	3	Yes	No	.041	.418	.446	.1478
2XSAWA-7	-02AN	7	Yes	No	.041	.511	.547	.2438
2XSAWA-14	-03AN	14	Yes	No	.044	.691	.741	.4454
2XSAOW-3	-01UO	3	No	.291	.041	.405	.437	.1530
2XSAOW-7	-02UO	7	No	.400	.044	.510	.550	.2530
2XSAOW-10	-03UO	10	No	.533	.044	.631	.681	.3620
2XSAOW-14	-04UO	14	No	.585	.047	.689	.743	.4420
2XSAOW-19	-05UO	19	No	.656	.047	.757	.817	.5450
2XSAOW-24	-06UO	24	No	.791	.047	.884	.952	.7200
2XSAOW-30	-07UO	30	No	.843	.050	.941	1.020	.8330
2XSAOW-37	-08UO	37	No	.924	.050	1.010	1.090	.9710

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 2XSW, 2XSWA, 2XSOW

MIL-C-24640/16
Watertight, Shielded Pair, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. SHIELD: Two conductors twisted to form pair, shielded with braided tinned copper, plus a tape shield isolation
4. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

2XSWA, same construction with braided aluminum armor.
2XSOW, same construction as 2XSW with overall braided tinned copper shield.

APPLICATIONS

These cables are 45 ohm individually shielded multipair constructions suitable for watertight (25 psi), non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 2XSOW conforms to the surface impedance and EMP response requirements of the specification.

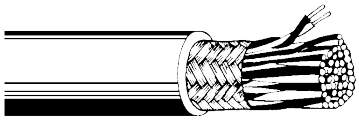
Anixter Number	Military Part Number M24640/16	Number of Pairs	Overall Armor	Diameter Over Shield	Minimum Jacket Thick.	Minimum Cable Diameter	Maximum Cable Diameter	Approximate Weight Lbs./Ft.
				IN	IN	IN	IN	
2XSW-1	-01UN	1	No	No	.034	.240	.258	.0529
2XSW-3	-02UN	3	No	No	.044	.436	.470	.1670
2XSW-7	-03UN	7	No	No	.044	.573	.617	.3180
2XSWA-1	-01AN	1	Yes	No	.034	.290	.308	.0690
2XSWA-3	-02AN	3	Yes	No	.041	.486	.520	.2104
2XSWA-7	-03AN	7	Yes	No	.044	.623	.667	.3752
2XSOW-3	-01UO	3	No	.374	.041	.487	.525	.2270
2XSOW-7	-02UO	7	No	.514	.044	.608	.656	.4010
2XSOW-12	-03UO	12	No	.702	.047	.802	.864	.6260
2XSOW-19	-04UO	19	No	.844	.050	.938	1.010	.8840
2XSOW-30	-05UO	30	No	1.080	.057	1.180	1.270	1.378

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 2XOW

MIL-C-24640/17
Watertight, Overall Shielded Pairs, 26 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. ASSEMBLY: Two conductors twisted to form pair, the required number of pairs cabled consecutively, optional binder tape
4. SHIELD: Tinned overall braided-tinned copper shield, optional binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

APPLICATIONS

These cables are overall shielded multipair constructions suitable for watertight (25 psi), non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface impedance and EMP response requirements of the specification.

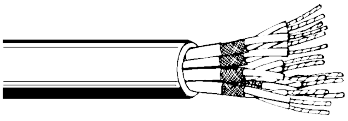
Anixter Number	Military Part Number M24640/17	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XOW-6	-01UO	6	.229	.038	.336	.363	.1070
2XOW-18	-02UO	18	.374	.041	.468	.504	.2010
2XOW-24	-03UO	24	.447	.044	.546	.588	.2660
2XOW-42	-04UO	42	.567	.044	.646	.696	.3650
2XOW-60	-05UO	60	.661	.047	.744	.802	.4850
2XOW-77	-06UO	77	.770	.047	840	.906	.6150

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 3XSW, 3XSWA, 3XSOW

MIL-C-24640/18
Watertight, Shielded Triad, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded tinned copper
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket (single conductors per MIL-W-81044/12)
3. SHIELD: Three conductors twisted to form triads, shielded with braided tinned copper, plus a tape shield isolation
4. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

3XSWA, same construction with braided aluminum armor.
3XSOW, same construction as 3XSW with overall braided tinned copper shield.

APPLICATIONS

These cables are 45 ohm individually shielded multipair constructions suitable for watertight (25 psi), non-flexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 3XSOW conforms to the surface impedance and EMP response requirements of the specification.

Anixter Number	Military Part Number M24640/18	Number of Triads	Overall Armor	Diameter Over Shield	Minimum Jacket Thick.	Minimum Cable Diameter	Maximum Cable Diameter	Approximate Weight Lbs./Ft.
				IN	IN	IN	IN	
3XSW-3	-01UN	3	No	No	.041	.472	.508	.2020
3XSW-7	-02UN	7	No	No	.044	.620	.668	.3870
3XSW-10	-03UN	10	No	No	.047	.803	.865	.6130
3XSW-14	-04UN	14	No	No	.047	.873	.941	.7700
3XSWA-3	-01AN	3	Yes	No	.041	.522	.558	.2548
3XSWA-7	-02AN	7	Yes	No	.044	.670	.718	.4581
3XSWA-10	-03AN	10	Yes	No	.047	.853	.915	.7011
3XSWA-14	-04AN	14	Yes	No	.047	.923	.991	.8727
3XSOW-3	-01UO	3	No	.398	.044	.519	.559	.2710
3XSOW-7	-02UO	7	No	.547	.044	.659	.711	.4720
3XSOW-10	-03UO	10	No	.721	.047	.835	.901	.7020
3XSOW-14	-04UO	14	No	.800	.047	.898	.968	.8600
3XSOW-19	-05UO	19	No	.909	.050	1.010	1.090	1.127
3XSOW-24	-060U	24	No	1.080	.057	1.200	1.300	1.489

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: DXW, DXWA, DXOW, DXOWA

MIL-C-24640/19
Watertight, Circuit Integrity Power Cable

SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass polyimide tape (Kapton®) and polyimide-FEP tape with polyimide coating
3. ASSEMBLY: Two conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

DXWA, same construction with braided aluminum armor.
DXOW, same construction as DXW with overall braided tinned copper shield.
DXOWA, same construction as DXW with overall braided tinned copper shield and braided aluminum armor.

APPLICATIONS

These two conductor power cables are suitable for watertight (25 psi), non-flexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the one-hour flame circuit integrity requirement of this specification and the overall shielding of type DXOW conforms to the surface transfer impedance and EMP response requirements of the specification.

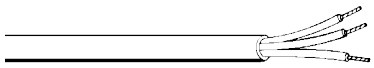
Anixter Number	Military Part Number M24640/19	Overall Shield Diameter IN	Overall Armor	Cond. Size and Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approximate Weight Lbs./Ft.
DXW-3	-01UN	No	No	16 AWG (7/24)	.034	.239	.257	13	.0475
DXW-4	-02UN	No	No	14 AWG (7/22)	.034	.281	.303	22	.0677
DXWA-3	-01AN	No	Yes	16 AWG (7/24)	.034	.289	.307	13	.0665
DXWA-4	-02AN	No	Yes	14 AWG (7/22)	.034	.331	.353	22	.887
DXOW-3	-01UO	.201	No	16 AWG (7/24)	.034	.294	.316	13	.881
DXOW-4	-02UO	.237	No	14 AWG (7/22)	.034	.328	.354	22	.1120
DXOWA-3	-03UO	.201	Yes	16 AWG (7/24)	.034	.295	.319	13	.892

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: TXW, TXWA, TXOW

MIL-C-24640/20
Watertight, Circuit Integrity Power Cable



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass polyimide tape (Kapton®) and polyimide-FEP tape with polyimide coating
3. ASSEMBLY: Three conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

TXWA, same construction with braided aluminum armor.
TXOW, same construction as TXW with overall braided tinned copper shield.

APPLICATIONS

These three conductor power cables are suitable for watertight (25 psi), non-flexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the one-hour flame circuit integrity requirement of this specification and the overall shielding of type TXOW conforms to the surface transfer impedance and EMP response requirements of the specification.

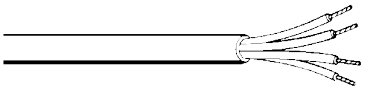
Anixter Number	Military Part Number M24640/20	Overall Shield	Overall Armor	Cond. Size and Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approximate Weight Lbs./Ft.
TXW-3	-01UN	No	No	16 AWG (7/24)	.034	.246	.266	11	.057
TXW-4	-02UN	No	No	14 AWG (7/22)	.038	.292	.314	18	.870
TXWA-3	-01AN	No	Yes	16 AWG (7/24)	.034	.296	.316	11	.843
TXWA-4	-02AN	No	Yes	14 AWG (7/22)	.038	.342	.364	18	.1253
TXOW-3	-01UO	Yes	No	16 AWG (7/24)	.034	.305	.329	11	.1,000
TXOW-4	-02UO	Yes	No	14 AWG (7/22)	.038	.343	.369	18	.1300

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: FXW, FXWA, FXOW

MIL-C-24640/21
Watertight, Circuit Integrity Power Cable



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass polyimide tape (Kapton®) and polyimide-FEP tape with polyimide coating
3. ASSEMBLY: Four conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

TXWA, same construction with braided aluminum armor.
TXOW, same construction as TXW with overall braided tinned copper shield.

APPLICATIONS

These four conductor power cables are suitable for watertight (25 psi), non-flexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the one-hour flame circuit integrity requirement of this specification and the overall shielding of type FXOW conforms to the surface transfer impedance and EMP response requirements of the specification.

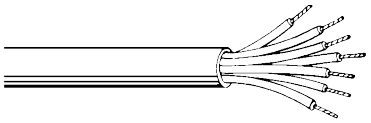
Anixter Number	Military Part Number M24640/21	Overall Shield	Overall Armor	Cond. Size and Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approximate Weight Lbs./Ft.
FXW-3	-01UN	No	No	16 AWG (7/24)	.034	.266	.286	11	.0694
FXW-4	-02UN	No	No	14 AWG (7/22)	.038	.315	.339	18	.1020
FXWA-3	-01AN	No	Yes	16 AWG (7/24)	.034	.316	.336	11	.0949
FXWA-4	-02AN	No	Yes	14 AWG (7/22)	.038	.365	.389	18	.1277
FXOW-3	-01UO	Yes	No	16 AWG (7/24)	.034	.324	.350	11	.1060
FXOW-4	-02UO	Yes	No	14 AWG (7/22)	.038	.366	.394	18	.1460

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: 7XW, 7XWA

MIL-C-24640/22
Watertight, Circuit Integrity Power Cable



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass polyimide tape (Kapton®) and polyimide-FEP tape with polyimide coating
3. ASSEMBLY: Seven conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

7XWA, same construction with braided aluminum armor.

APPLICATIONS

These seven conductor power cables are suitable for watertight (25 psi), non-flexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the one-hour flame circuit integrity requirement of this specification.

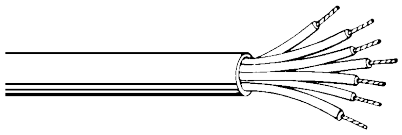
Anixter Number	Military Part Number M24640/22	Overall Shield	Cond. Size and Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps Ind/Avg.*	Approximate Weight Lbs./Ft.
7XW-3	-01UN	No	16 AWG (7/24)	.038	.315	.339	15/11*	.1050
7XW-4	-02UN	No	14 AWG (7/22)	.041	.374	.404	26/14	.1550
7XWA-3	-01AN	Yes	16 AWG (7/24)	.038	.365	.389	15/11	.1383
7XWA-4	-02AN	Yes	14 AWG (7/22)	.041	.424	.454	26/14	.2081

*Ind/Avg indicates the maximum current per conductor (Ind) and the maximum current (avg) per conductor when all conductors in the cable are listed.
Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: MXCW, MXCWA, MXCOW

MIL-C-24640/23
Watertight, Circuit Integrity Power Cable, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass polyimide tape (Kapton®) and polyimide-FEP tape with polyimide coating
3. ASSEMBLY: Seven conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

MXCWA, same construction with braided aluminum armor.
MXCOW, same construction as MXCW with overall braided tinned copper shield.

APPLICATIONS

These multiconductor conductor power cables are suitable for watertight (25 psi), non-flexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the one-hour flame circuit integrity requirement of this specification and the overall shielding of type MXCOW conforms to the surface transfer impedance and EMP response of these specifications.

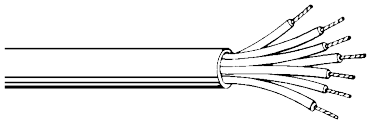
Anixter Number	Military Part Number M24640/23	Number of Cond.	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps Ind/Avg.*	Approximate Weight Lbs./Ft.
MXCW-7	-01UN	7	No	No	.038	.295	.319	12/8	.0870
MXCW-10	-02UN	10	No	No	.041	.375	.405	12/8	.1360
MXCW-14	-03UN	14	No	No	.041	.402	.434	12/8	.1660
MXCW-19	-04UN	19	No	No	.041	.440	.474	12/8	.2088
MXCW-24	-05UN	24	No	No	.044	.520	.560	12/6	.2810
MXCW-30	-06UN	30	No	No	.044	.547	.589	12/6	.3250
MXCW-37	-07UN	37	No	No	.044	.584	.630	12/6	.3840
MXCW-44	-08UN	44	No	No	.044	.565	.708	12/5	.4720
MXCW-61	-09UN	61	No	No	.047	.729	.785	12/4.5	.6120

*Ind/Avg indicates the maximum current per conductor (Ind) and the maximum current (avg) per conductor when all conductors in the cable are listed.
Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: MXCW, MXCWA, MXCOW (continued)

MIL-C-24640/23
Watertight, Circuit Integrity Power Cable, 18 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass polyimide tape (Kapton®) and polyimide-FEP tape with polyimide coating
3. ASSEMBLY: Seven conductors cabled, optional binder tape
4. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking
5. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature

MXCWA, same construction with braided aluminum armor.
MXCOW, same construction as MXCW with overall braided tinned copper shield.

APPLICATIONS

These multiconductor conductor power cables are suitable for watertight (25 psi), non-flexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the one-hour flame circuit integrity requirement of this specification and the overall shielding of type MXCOW conforms to the surface transfer impedance and EMP response of these specifications.

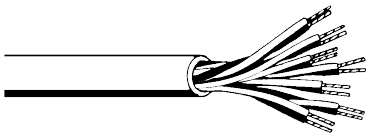
Anixter Number	Military Part Number M24640/23	Number of Cond.	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps Ind/Avg.*	Approximate Weight Lbs./Ft.
MXCWA-7	-01AN	7	Yes	No	.038	.345	.369	12/8*	.1100
MXCWA-10	-02AN	10	Yes	No	.041	.425	.445	12/8	.1772
MXCWA-14	-03AN	14	Yes	No	.041	.452	.485	12/6	.2158
MXCWA-19	-04AN	19	Yes	No	.041	.490	.524	12/6	.2644
MXCWA-24	-05AN	24	Yes	No	.044	.570	.610	12/6	.3370
MXCWA-30	-06AN	30	Yes	No	.044	.597	.639	12/6	.3853
MXCWA-37	-07AN	37	Yes	No	.044	.634	.680	12/6	.4529
MXCWA-44	-08AN	44	Yes	No	.044	.706	.758	12/5	.5477
MXCWA-61	-09AN	61	Yes	No	.047	.779	.835	12/4.5	.5640
MXCWA-7	-01UO	7	No	.226	.038	.340	.366	12/8	.1340
MXCOW-10	-02UO	10	No	.297	.041	.415	.447	12/8	.1840
MXCOW-14	-03UO	14	No	.325	.041	.440	.474	12/8	.2190
MXCOW-19	-04UO	19	No	.370	.041	.477	.515	12/8	.2670
MXCOW-24	-05UO	24	No	.441	.044	.557	.601	12/6	.3500
MXCOW-30	-06UO	30	No	.469	.044	.584	.630	12/6	.3990
MXCOW-37	-07UO	37	No	.514	.044	.622	.670	12/6	.4660
MXCOW-44	-08UO	44	No	.585	.047	.697	.751	12/5	.5530
MXCOW-61	-09UO	61	No	.652	.047	.757	.817	12/4.5	.6940

Diameters and weights may vary between manufacturers.

MIL-C-24640 (LIGHTWEIGHT)

Type: TTXW, TTXWA, TTXOW

MIL-C-24640/24
Watertight, Circuit Integrity
Twisted Pair, 22 AWG



SPECIFICATIONS

1. CONDUCTOR: Stranded bare copper
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass polyimide tape (Kapton®) and polyimide-FEP tape with polyimide coating
3. PAIR: Two conductors twisted to form pair
4. ASSEMBLY: The required number of pairs cabled consecutively, optional binder tape
5. OVERALL JACKET: Cross-linked polyolefin LSZH jacket, surface marking

TTXWA, same construction with braided aluminum armor.
TTXOW, same construction as TTXW with overall braided tinned copper shield.

APPLICATIONS

These unshielded multipair constructions are suitable for watertight, non-flexing service. They may be supplied either armored or unarmored. They may be used to interconnect audio, telephone, call bell, announcing and alarm systems. They may also be used for other interior communication and weapon control systems provided the ampere rating of the cable and voltage drop for the system are not exceeded.

Anixter Number	Military Part Number M24640/24	Number of Pairs	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
TTXW-1-1/2	-01UN	1½	No	No	.028	.181	.195	.0256
TTXW-3	-02UN	3	No	No	.038	.285	.307	.0577
TTXW-5	-03UN	5	No	No	.038	.331	.357	.0769
TTXW-10	-04UN	10	No	No	.041	.456	.492	.1530
TTXW-15	-05UN	15	No	No	.044	.527	.569	.2030
TTXW-20	-06UN	20	No	No	.044	.577	.621	.2510
TTXW-30	-07UN	30	No	No	.044	.684	.738	.3510
TTXW-40	-08UN	40	No	No	.047	.790	.852	.4760
TTXWA-1-1/12	-01AN	1½	Yes	No	.028	.231	.245	.0406
TTXWA-3	-02AN	3	Yes	No	.038	.335	.357	.0797
TTXWA-5	-03AN	5	Yes	No	.038	.381	.407	.1073
TTXWA-10	-04AN	10	Yes	No	.041	.506	.542	.1943
TTXWA-15	-05AN	15	Yes	No	.044	.577	.619	.2416
TTXWA-20	-06AN	20	Yes	No	.044	.627	.671	.2962
TTXWA-30	-07AN	30	Yes	No	.044	.734	.788	.4072
TTXWA-40	-08AN	40	Yes	No	.047	.840	.902	.5426
TTXOW-1-1/2	-01UO	1½	No	.127	.031	.253	.273	.0386
TTXOW-3	-02UO	3	No	.216	.038	.333	.359	.0804
TTXOW-5	-03UO	5	No	.263	.038	.376	.406	.1060
TTXOW-15	-04UO	15	No	.449	.044	.556	.600	.2610
TTXOW-20	-05UO	20	No	.510	.044	.614	.662	.3280
TTXOW-30	-06UO	30	No	.610	.047	.717	.772	.4510
TTXOW-40	-7UO	40	No	.720	.047	.823	.887	.5890

Diameters and weights may vary between manufacturers.

Notes:

Marine Support and Supplies

8

Section 8 Marine Support and Supplies

CORD GRIPS

Lapp Skintop Cord Grips (Nonmetallic)

SPECIFICATIONS

1. MATERIALS:
   -Body: Polyamide
   -Bushing: CR
2. COLOR:
   -Black (RAL 9005) UV Resistance
   -Gray (RAL 7001)
3. PROTECTION: 70 PSI
4. SEAL: IP68, 5 Bar (Exceeds NEMA 6/6P pressure rating)
5. TEMPERATURE: -20°C to 80°C

APPLICATIONS

Skintops are durable, liquid-tight, easy-to-assemble strain relief glands with NPT threads that are universally suited for all types of machinery and equipment, including automation, motion control, process control and robotics.

Anixter No.	Vendor No.	Colour	Thread Type	Cable Range (in.)
S1138	S1138	Gray	NPT-3/8	0.135 - 0.350
S2138	S2138	Black	NPT-3/8	0.135 - 0.350
S1212	S1212	Gray	NPT-1/2	0.135 - 0.350
S2212	S2212	Black	NPT-1/2	0.135 - 0.350
S1109	S1109	Gray	PG-9	0.135 - 0.350
S2109	S2109	Black	PG-9	0.135 - 0.350
S1111	S1111	Gray	PG-11	0.135 - 0.350
S2111	S2111	Black	PG-11	0.135 - 0.350
S1113	S1113	Gray	PG-13	0.225 - 0.400
S2113	S2113	Black	PG-13	0.225 - 0.400
S1234	S1234	Gray	NPT-3/4	0.325 - 0.500
S2234	S2234	Black	NPT-3/4	0.325 - 0.500
S1116	S1116	Gray	PG-16	0.325 - 0.500
S2116	S2116	Black	PG-16	0.325 - 0.500
S1221	S1221	Gray	PG-21	0.325 - 0.500
S2221	S2221	Black	PG-21	0.325 - 0.500
S1229	S1229	Gray	PG-29	0.425 - 0.600
S2229	S2229	Black	PG-29	0.425 - 0.600
S1134	S1134	Gray	NPT-3/4	0.525 - 0.750
S2134	S2134	Black	NPT-3/4	0.525 - 0.750
S1201	S1201	Gray	NPT-1	0.525 - 0.750
S2201	S2201	Black	NPT-1	0.525 - 0.750
S1121	S1121	Gray	PG-21	0.525 - 0.750
S2121	S2121	Black	PG-21	0.525 - 0.750
S1129	S1129	Gray	PG-29	0.600 - 0.900
S2129	S2129	Black	PG-29	0.600 - 0.900
S1101	S1101	Gray	NPT-1	0.750 - 1.100
S2101	S2101	Black	NPT-1	0.750 - 1.100
S1136	S1136	Gray	PG-36	0.950 - 1.200
S2136	S2136	Black	PG-36	0.950 - 1.200
S1142	S1142	Gray	PG-42	1.100 - 1.400
S2142	S2142	Black	PG-42	1.100 - 1.400

CMP TMC2 TECK CONNECTOR

TMC2 Series

APPLICATIONS

The CMP Type TMC2 cable connector is suitable for use with Interlocked and Continuously Welded Metal Clad (Type MC or MC-HL) or TECK armored and jacketed cables in ordinary, wet and hazardous locations including:

- Certified to cCSAus, ATEX (EN) and IECEx Standards
- Class I Division 2, where permitted by code
- Class 1 Zone 1 AEx e and Ex e, where permitted by code
- Class 1 Zone 1 Ex e (IEC/Atex)
- Ingress protection to NEMA 4X and IP66

All CMP cable connectors are EMC tested. The two-part design allows the grounding and over jacket sealing to be carried out in a single simple movement and allows the cable to be easily removed from the equipment, for maintenance and change out, etc.

The TMC2 cable connector is supplied in copper free (<0.4%), aluminum, stainless steel, or electroless nickel-plated brass in NPT (standard) and metric thread forms.

Technical Data	
Type	TMC2
Design Specification	EN 50262, BS 6121:Part 1:1989, IEC 62444
ATEX Certificate	SIRA09ATEX1164X
Code of Protection	Ex II 2GD, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,1,7, EN 61241-0,1
IEC Ex Certificate	IECEx SIR 09.0068X
Code of Protection	Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7, IEC 61241-0,1
cCSAus Certificate	2194053
Code of Protection	Class I, Div 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 Class I, Zone 1, AEx e II; AEx ta IIC: and 2; Encl. Type 4X. Ex e II;
Compliance Standards	CAN/CSA-C22.2 various sections (see certificate) CAN/CSA-E60079-0,7, CAN/CSA-E61241-1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11
EAC Certificate (Formally GOST R, K and B)	TC RU C-GB.05.B00138
Code of Protection	1Ex e IIC Gb X, Ex ta IIIC Da X
Compliance Standards	OCT P 52350. 7, OCT P MK 60079-0,15,31 , OCT IEC 60079-7 , OCT 31610.7
CCOE / PESO (India) Certificate	P333688/1
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172, DNV: E-13286, ABS: 10-HS630287
Continuous Operating Temperature	-60°C to 110°C
Ingress Protection Rating	NEMA 4X and IP66
Cable Type	Corrugated and interlocked metal clad armor (MC) or Teck 90, continuously welded metal clad armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° stainless steel grounding spring (beryllium copper optional)
Jacket Sealing Technique	CMP load retention seal
Sealing Area(s)	Cable outer jacket
Seal Material	CMP SOLO LSF thermoset rubber
Cable Connector Material	Copper free (<0.4%) aluminum, stainless steel, electroless nickel-plated brass
Support and Supplies	Adaptor/reducer, earth tag, locknut, grounding locknut, serrated washer, shroud

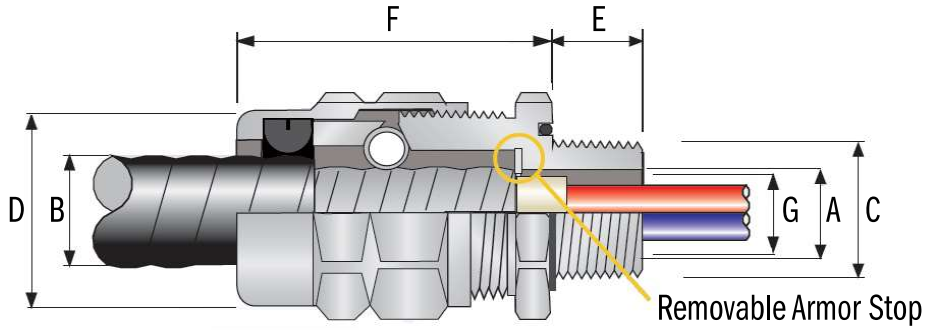
CMP TMC2 TECK CONNECTOR

TMC2 Series

Anixter No.			Entry Thread "C"		Min. Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Dia. "B"		Thru Bore "G"	Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"
						Armor Stop In		Armor Stop Out							
Aluminum	Nickel-plated Brass	Stainless Steel	NPT	NPT Option		Min.	Max.	Min.	Max.	Min.	Max.	Max.	Max.	Max.	
CMP-TMC2-050A075	CMP-TMC2-050NB075	CMP-TMC2-050SS075	1/2"	-	0.78	0.42	0.55	0.55	0.63	0.500	0.750	0.55	1.200	1.300	1.650
CMP-TMC2-075A075	CMP-TMC2-075NB075	CMP-TMC2-075SS075	-	3/4"	0.80	0.42	0.55	0.55	0.63			0.55			
CMP-TMC2-075A099	CMP-TMC2-075NB099	CMP-TMC2-075SS099	3/4"	-	0.80	0.60	0.65	0.65	0.89	0.690	0.990	0.65	1.480	1.600	1.970
CMP-TMC2-050A099	CMP-TMC2-050NB099	CMP-TMC2-050SS099	-	1/2"	0.78	0.60	0.78	0.78	0.89			0.78			
CMP-TMC2-100A118	CMP-TMC2-100NB118	CMP-TMC2-100SS118	1"	-	0.98	0.79	0.86	0.86	1.10	0.870	1.180	0.86	1.810	1.950	2.130
CMP-TMC2-075A118	CMP-TMC2-075NB118	CMP-TMC2-075SS118	0	3/4"	0.80	0.79	0.98	0.98	1.10			0.98			
CMP-TMC2-125A137	CMP-TMC2-125NB137	CMP-TMC2-125SS137	1-1/4"	-	1.00	0.94	1.08	1.08	1.28	1.020	1.370	1.08	2.050	2.210	2.340
CMP-TMC2-100A137	CMP-TMC2-100NB137	CMP-TMC2-100SS137	-	1"	0.98	0.94	1.18	1.18	1.28			1.18			
CMP-TMC2-150A162	CMP-TMC2-150NB162	CMP-TMC2-150SS162	1-1/2"	-	1.03	1.22	1.35	1.35	1.50	1.300	1.620	1.35	2.360	2.550	2.440
CMP-TMC2-125A162	CMP-TMC2-125NB162	CMP-TMC2-125SS162	-	1-1/4"	1.00	1.22	1.42	1.42	1.50			1.42			
CMP-TMC2-150A190	CMP-TMC2-150NB190	CMP-TMC2-150SS190	1-1/2"	-	1.03	-	-	1.51	1.72	1.570	1.900	1.51	2.560	2.760	2.440
CMP-TMC2-125A190	CMP-TMC2-125NB190	CMP-TMC2-125SS190	-	1-1/4"	1.00	-	-	1.51	1.72			1.51			
CMP-TMC2-200A200	CMP-TMC2-200NB200	CMP-TMC2-200SS200	2"	-	1.53	1.57	1.70	1.70	1.88	1.650	2.000	1.70	2.750	2.970	2.600
CMP-TMC2-150A200	CMP-TMC2-150NB200	CMP-TMC2-150SS200	-	1-1/2"	1.03	1.57	1.70	1.70	1.88			1.70			
CMP-TMC2-250A233	CMP-TMC2-250NB233	CMP-TMC2-250SS233	2-1/2"	-	1.63	-	-	1.81	2.21	1.910	2.330	1.81	2.950	3.190	2.640
CMP-TMC2-200A233	CMP-TMC2-200NB233	CMP-TMC2-200SS233	-	2"	1.53	-	-	1.81	2.21			1.81			
CMP-TMC2-300A272	CMP-TMC2-300NB272	CMP-TMC2-300SS272	3"	-	1.63	-	-	2.17	2.61	2.270	2.720	2.17	3.540	3.820	2.760
CMP-TMC2-250A272	CMP-TMC2-250NB272	CMP-TMC2-250SS272	-	2-1/2"	1.63	2.14	2.46	2.46	2.61			2.46			
CMP-TMC2-350A325	CMP-TMC2-350NB325	CMP-TMC2-350SS325	3-1/2"	-	1.68	2.49	2.78	2.78	2.97	2.620	3.250	2.78	4.330	4.680	3.460
CMP-TMC2-300A325	CMP-TMC2-300NB325	CMP-TMC2-300SS325	-	3"	1.63	2.49	2.78	2.78	2.97			2.78			
CMP-TMC2-400A376	CMP-TMC2-400NB376	CMP-TMC2-400SS376	4"	-	1.73	2.95	3.45	3.45	3.54	3.160	3.760	3.45	4.840	5.230	3.680
CMP-TMC2-350A376	CMP-TMC2-350NB376	CMP-TMC2-350SS376	-	3-1/2"	1.68	2.95	3.45	3.45	3.54			3.45			
CMP-TMC2-400A425	CMP-TMC2-400NB425	CMP-TMC2-400SS425	4"	-	1.73	-	-	3.56	3.94	3.700	4.250	3.56	5.230	5.650	3.890

Dimensions are displayed in inches unless otherwise stated.

Order code example: **TMC2-050A075** - "TMC2" (Type: gland) - "050" (1/2" NPT thread) - "A" (Material: aluminum) - "075" (Max. cable diameter: 0.75")



CMP TMC2X TECK CONNECTOR

TMC2X Series

APPLICATIONS

The CMP Type TMC2X cable connector is suitable for use with Interlocked and Corrugated Continuously Welded Metal Clad (Type MC or MC-HL) or TECK armored and armored and jacketed cables in, wet and hazardous locations including:

- Certified to cCSAus, ATEX (EN) and IECEx Standards
- Class I Division 1 and Class 1 Division 2 ABCD
- Class I Zone 1 AExd/AExe, Exd/Exe, in accordance with NEC/CEC installations
- Class I Zone 1 Exd IIC, Exe II for IECEx and ATEX installation codes
- Ingress protection to NEMA 4X and IP66

All CMP cable connectors are EMC tested. The TMC2X utilizes CMP's innovative RapidEx Fast Curing Liquid Resin Injection System, which installs in seconds, significantly reducing installation error, with a complete 100% cure time of one hour, which significantly reduces installation times.

The two-part design allows the grounding and over jacket sealing to be carried out in a single simple movement and allows the cable to be easily removed from the equipment, for maintenance and change out etc. The TMC2X cable connector is supplied in copper free (<0.4%) aluminum, stainless steel, or electroless nickel-plated brass in NPT (standard) and metric thread forms.

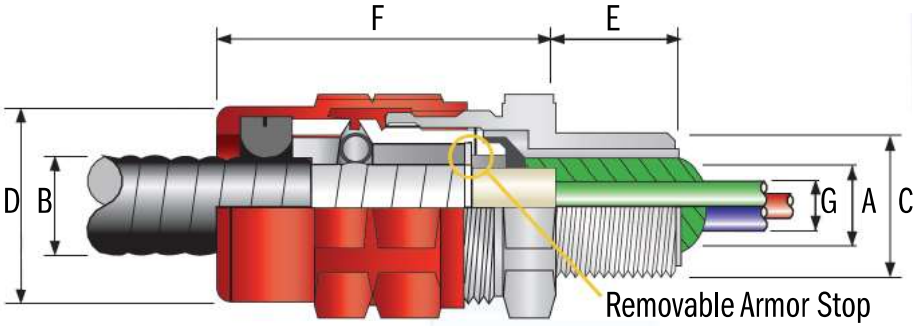
Technical Data	
Type	TMC2X
Design Specification	EN 50262, BS 6121:Part 1:1989, IEC 62444
Mechanical Classification	Impact = Level 8, Retention = Class B (EN 50262), Class D (IEC 62444)
Electrical Classification	Category B
ATEX Certificate	SIRA09ATEX1165X
Code of Protection	Ex II 2 GD, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da
IEC Ex Certificate	IECEx SIR 09.0069X
Code of Protection	Ex d IIC Gb / Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,1,7, EN 61241-1, IEC 60079-0,1,7, IEC 61241-1
cCSAus Certificate	2194053
Code of Protection	Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 4X. Ex d IIC; Ex e II: Class I, Zone 1, AEx d IIC; AEx e II; AEx ta IIC:
Compliance Standards	CAN/CSA-C22.2 No 0-M91, CAN/CSA-C22.2 No 18-04, CAN/CSA-C22.2 No 25-1966, CAN/CSA-C22.2 No 30-M1986, CAN/CSA-C22.2 No.174-M1984, CAN/CSA-C22.2 No.94-M91, CAN/CSA-E60079-0:07, CAN/ CSA-E60079-7:07, CAN/ CSA-E60079-1:07, CAN/CSA-E61241-1-1, ANSI/UL 514B Edition 5, ANSI/UL 50 Edition 11, ANSI/UL 2225 Edition 4
EAC Certificate (Formally GOST R, K and B)	TC RU C-GB.05.B00138
Code of Protection	1Ex d IIC Gb X, 1Ex e IIC Gb X, 2Ex nR IIC Gc X, Ex ta IIIC Da X
Compliance Standards	OCT P 52350. 7, OCT P MK 60079-0,15,31 , OCT IEC 60079-1,7 , OCT 31610.7
CCOE / PESO (India) Certificate	P333688/1
RETIE Approval Number	3866
Marine Approvals	LRS: 01/00172, DNV: E-13286, ABS: 10-HS630287
Continuous Operating Temperature	-60°C to 85°C
Ingress Protection Rating	NEMA 4X and IP66
Cable Type	Corrugated and Interlocked Metal Clad Armor (MC) or Teck 90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° stainless steel grounding spring (beryllium copper optional)
Jacket Sealing Technique	CMP load retention seal
Sealing Area(s)	RapidEx liquid resin, cable outer jacket
Cable Connector Material	Copper free (<0.4%) aluminum, stainless steel, electroless nickel-plated brass
Support and Supplies	Adaptor/reducer, earth tag, locknut, grounding locknut, serrated washer, shroud

CMP TMC2X TECK CONNECTOR

Anixter No.			Entry Thread "C"		Min. Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Thru Bore "G"	Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"
						Armor Stop In		Armor Stop Out							
Aluminum	Nickel-plated Brass	Stainless Steel	NPT	NPT Option		Min.	Max.	Min.	Max.	Min.	Max.	Max.	Max.	Max.	
CMP-TMC2X-050A075	CMP-TMC2X-050NB075	CMP-TMC2X-050SS075	1/2"	-	0.78	0.42	0.57	0.57	0.63	0.500	0.750	0.51	1.200	1.300	1.650
CMP-TMC2X-075A075	CMP-TMC2X-075NB075	CMP-TMC2X-075SS075	-	3/4"	0.80	0.42	0.57	0.57	0.63			0.51			
CMP-TMC2X-075A099	CMP-TMC2X-075NB099	CMP-TMC2X-075SS099	3/4"	-	0.80	0.60	0.78	0.78	0.89	0.690	0.990	0.71	1.480	1.600	1.970
CMP-TMC2X-050A099	CMP-TMC2X-050NB099	CMP-TMC2X-050SS099	-	1/2"	0.78	-	-	0.60	0.89			0.51			
CMP-TMC2X-100A118	CMP-TMC2X-100NB118	CMP-TMC2X-100SS118	1"	-	0.98	0.79	1.01	1.01	1.10	0.870	1.180	0.94	1.810	1.950	2.130
CMP-TMC2XX-075A118	CMP-TMC2X-075NB118	CMP-TMC2X-075SS118	0	3/4"	0.80	-	-	0.79	1.10			0.71			
CMP-TMC2X-125A137	CMP-TMC2X-125NB137	CMP-TMC2X-125SS137	1-1/4"	-	1.00	0.94	1.20	1.20	1.28	1.020	1.370	1.20	2.050	2.210	2.340
CMP-TMC2X-100A137	CMP-TMC2X-100NB137	CMP-TMC2X-100SS137	-	1"	0.98	0.94	1.00	1.00	1.28			0.94			
CMP-TMC2X-150A162	CMP-TMC2X-150NB162	CMP-TMC2X-150SS162	1-1/2"	-	1.03	-	-	1.43	1.50	1.300	1.620	1.46	2.360	2.550	2.440
CMP-TMC2X-125A162	CMP-TMC2X-125NB162	CMP-TMC2X-125SS162	-	1-1/4"	1.00	1.22	1.25	1.25	1.50			1.20			
CMP-TMC2X-150A190	CMP-TMC2X-150NB190	CMP-TMC2X-150SS190	1-1/2"	-	1.03	-	-	1.49	1.72	1.570	1.900	1.46	2.560	2.760	2.440
CMP-TMC2X-125A190	CMP-TMC2X-125NB190	CMP-TMC2X-125SS190	-	1-1/4"	1.00	-	-	1.49	1.72			1.20			
CMP-TMC2X-200A200	CMP-TMC2X-200NB200	CMP-TMC2X-200SS200	2"	-	1.53	1.57	1.70	1.70	1.88	1.650	2.000	1.63	2.750	2.970	2.600
CMP-TMC2X-150A200	CMP-TMC2X-150NB200	CMP-TMC2X-150SS200	-	1-1/2"	1.03	-	-	1.52	1.88			1.46			
CMP-TMC2X-250A233	CMP-TMC2X-250NB233	CMP-TMC2X-250SS233	2-1/2"	-	1.63	1.79	2.09	2.09	2.21	1.910	2.330	1.46	2.950	3.190	2.640
CMP-TMC2X-200A233	CMP-TMC2X-200NB233	CMP-TMC2X-200SS233	-	2"	1.53	1.79	1.97	1.97	2.21			1.90			
CMP-TMC2X-300A272	CMP-TMC2X-300NB272	CMP-TMC2X-300SS272	3"	-	1.63	2.14	2.50	2.50	2.61	2.270	2.720	2.13	3.540	3.820	2.760
CMP-TMC2X-250A272	CMP-TMC2X-250NB272	CMP-TMC2X-250SS272	-	2-1/2"	1.63	2.14	2.44	2.44	2.61			1.90			
CMP-TMC2X-350A325	CMP-TMC2X-350NB325	CMP-TMC2X-350SS325	3-1/2"	-	1.68	2.49	2.80	2.80	2.97	2.620	3.250	2.37	4.330	4.680	3.460
CMP-TMC2X-300A325	CMP-TMC2X-300NB325	CMP-TMC2X-300SS325	-	3"	1.63	2.49	2.80	2.80	2.97			2.55			
CMP-TMC2X-400A376	CMP-TMC2X-400NB376	CMP-TMC2X-400SS376	4"	-	1.73	2.95	3.49	3.49	3.54	3.160	3.760	2.98	4.840	5.230	3.680
CMP-TMC2X-350A376	CMP-TMC2X-350NB376	CMP-TMC2X-350SS376	-	3-1/2"	1.68	2.95	3.49	3.49	3.54			3.38			
CMP-TMC2X-400A425	CMP-TMC2X-400NB425	CMP-TMC2X-400SS425	4"	-	1.73	-	-	3.52	3.94	3.700	4.250	3.38	5.230	5.650	3.890

Dimensions are displayed in inches unless otherwise stated.

Order code example: **TMC2X-050A075** - "TMC2X" (Type: gland) - "050" (1/2" NPT thread) - "A" (Material: aluminum) - "075" (Max. cable diameter: 0.75")



CMP TC CONNECTOR

TC Series

APPLICATIONS

The CMP Type TC cable connector is suitable for use with type (TC) tray cable in ordinary, wet and hazardous locations including:

- Class I Division 2, where permitted by code
- Class 1 Zone 1 AEx e and Ex e, where permitted by code
- Ingress protection to NEMA 4X and IP66, 67 and 68

The unique use of the seal insert enables each gland size to terminate the widest range available in a single hub size. The TC cable connector is supplied in copper free (<0.4%) aluminum, stainless steel, or electroless nickel-plated brass in NPT thread forms.

Technical Data	
Type	TC
Design Specification	EN 50262, BS 6121:Part 1:1989, IEC 62444
ATEX Certificate	SIRA09ATEX1092X
Code of Protection	Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da
Code of Protection	EN 60079-0,1,7, EN 61241-0,1
IEC Ex Certificate	IECEx SIR 09.0042X
Code of Protection	IECEx SIR 09.0069X
Compliance Standards	Ex d IIC Gb / Ex e IIC Gb, Ex ta IIIC Da
cCSAus Certificate	2220601
Code of Protection	Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F, and G; Class III, Div. 2; Encl. Type 4X. Ex e; Class I, Zone 1, AEx e:
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0,7, CAN/CSA-E61241-1-1, ANSI/UL 514B Ed 5, ANSI/UL 50Ed 11, ANSI/UL 60079-0,7
EAC Certificate	TC RU C-GB.05.B00138
Code of Protection	1Ex d IIC Gb X, 1Ex e IIC Gb X, Ex ta IIIC Da X
Compliance Standards	OCT P 52350.7, OCT P MK 60079-0,15,31, OCT IEC 60079-1,7, OCT 31610.7
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172, DNV: E-10496, ABS: 10-HS630287
Continuous Operating Temperature	-60°C to 110°C
Ingress Protection Rating	NEMA 4X and IP66/67/68
Cable Connector Material	Copper free (<0.4%) aluminum, stainless steel, or electroless nickel-plated brass
Cable Type	Tray cable and cords, unarmored/braid (IEC)
Sealing Technique	CMP displacement seal
Sealing Area(s)	Cable outer jacket
Support and Supplies	Adaptor/reducer, earth tag, locknut, grounding lock nut, serrated washer, shroud

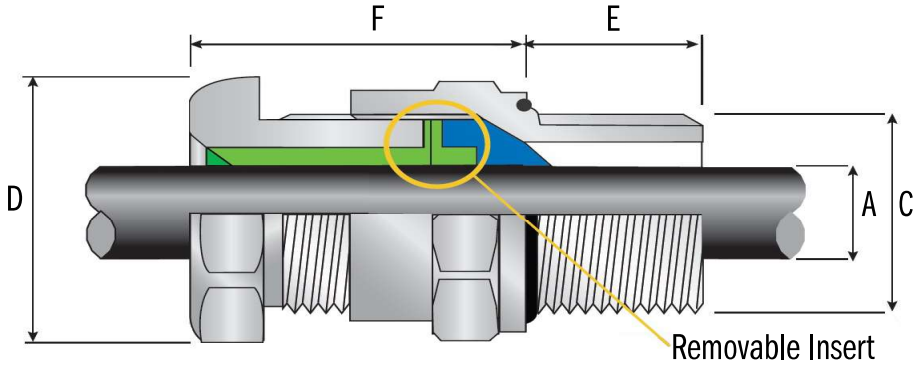
CMP TC CONNECTOR

TC Series

Anixter No.			Entry Thread "C"		Min. Thread Length "E"	Cable Range "A"				Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"
						Insert		No Insert				
Aluminum	Nickel-plated Brass	Stainless Steel	NPT	NPT Option		Min.	Max.	Min.	Max.	Max.	Max.	
CMP-TC-050A028	CMP-TC-050NB028	CMP-TC-050SS028	1/2"	-	0.78	0.130	0.280	N/A	N/A	1.200	1.320	0.790
CMP-TC-075A028	CMP-TC-075NB028	CMP-TC-075SS028	-	3/4"	0.80							
CMP-TC-050A055	CMP-TC-050NB055	CMP-TC-050SS055	1/2"	-	0.78	0.260	0.410	0.410	0.550	1.200	1.320	0.790
CMP-TC-075A055	CMP-TC-075NB055	CMP-TC-075SS055	-	3/4"	0.80							
CMP-TC-075A079	CMP-TC-075NB079	CMP-TC-075SS079	3/4"	-	0.80	0.470	0.610	0.610	0.790	1.480	1.628	0.980
CMP-TC-100A079	CMP-TC-100NB079	CMP-TC-100SS079	-	1"	0.98							
CMP-TC-100A104	CMP-TC-100NB104	CMP-TC-100SS104	1"	-	0.98	0.670	0.850	0.850	1.040	1.810	1.991	0.980
CMP-TC-125A104	CMP-TC-125NB104	CMP-TC-125SS104	-	1-1/4"	1.00							
CMP-TC-125A127	CMP-TC-125NB127	CMP-TC-125SS127	1-1/4"	-	1.00	0.920	1.100	1.100	1.270	2.050	2.255	1.180
CMP-TC-150A127	CMP-TC-150NB127	CMP-TC-150SS127	-	1-1/2"	1.03							
CMP-TC-150A150	CMP-TC-150NB150	CMP-TC-150SS150	1-1/2"	-	1.03	1.220	1.370	1.370	1.500	2.360	2.596	1.260
CMP-TC-200A150	CMP-TC-200NB150	CMP-TC-200SS150	-	2"	1.06							
CMP-TC-200A174	CMP-TC-200NB174	CMP-TC-200SS174	2"	-	1.06	-	-	1.400	1.740	2.950	3.245	1.260
CMP-TC-250A174	CMP-TC-250NB174	CMP-TC-250SS174	-	2"	1.06							
CMP-TC-200A197	CMP-TC-200NB197	CMP-TC-200SS197	2"	-	1.06	-	-	1.630	1.970	2.950	3.245	1.650
CMP-TC-250A197	CMP-TC-250NB197	CMP-TC-250SS197	-	2-1/2"	1.53							
CMP-TC-250A220	CMP-TC-250NB220	CMP-TC-250SS220	2-1/2"	-	1.53	-	-	1.860	2.200	3.540	3.894	1.650
CMP-TC-300A220	CMP-TC-300NB220	CMP-TC-300SS220	-	2-1/2"	1.53							
CMP-TC-250A244	CMP-TC-250NB244	CMP-TC-250SS244	2-1/2"	-	1.53	-	-	2.130	2.440	3.540	3.894	1.690
CMP-TC-300A244	CMP-TC-300NB244	CMP-TC-300SS244	-	3"	1.63							
CMP-TC-300A268	CMP-TC-300NB268	CMP-TC-300SS268	3"	-	1.63	-	-	2.400	2.680	4.330	4.763	1.690
CMP-TC-350A268	CMP-TC-350NB268	CMP-TC-350SS268	-	3-1/2"	1.68							
CMP-TC-350A315	CMP-TC-350NB315	CMP-TC-350SS315	3-1/2"	-	1.68	-	-	2.620	3.150	4.840	5.324	2.280
CMP-TC-400A315	CMP-TC-400NB315	CMP-TC-400SS315	-	4"	1.73							
CMP-TC-400A354	CMP-TC-400NB354	CMP-TC-400SS354	4"	-	1.73	-	-	2.990	3.540	5.250	5.775	2.280

Dimensions are displayed in inches unless otherwise stated.

Order code example: **TC-050A028** - "TC" (Type: gland) - "050" (1/2" NPT thread) - "A" (Material: aluminum) - "028" (Max. cable diameter: 0.28")



CMP T3CDS CONNECTOR

T3CDS Series

APPLICATIONS

Triton CDS (T3CDS) globally approved, explosive atmosphere cable gland for all types of armored cables

- Fully sequential, three -step installation procedure
- Reduces installation time, cost and risk
- Direct and remote installation
- Unique Compensating Displacement Seal System (COS)
- Metal-to-metal installation every time regardless of cable diameter
- Designed to prevent "Coldflow"
- Integral, protected deluge seal
- Controlled outer "LRS" seal
- Prevents overtightening
- 60°C to 130°C (standard), -20°C to 200°C (ThermEx option)
- Globally marked, IECEx, ATEX. UL s cCSAus
- EMC tested

Technical Data	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification*	Impact= Level 8, Retention = Class D
Enclosure Protection	IK10 10 IEC 62262 (20 joules) N/A for aluminum - Please contact your Anixter sales office
Electrical Classification*	Calegory B (Category A when used with braided cable)
ATEX Certificate	SIRA13ATEX1073X, SIRA13ATEX4079X
Code of Protection	Ex II 2G,II 1D, Ex d IIC Gb, Exe IIC Gb, Ex ta IIC Da, Ex II 3G Ex nR IIC Gc, Ex I M2, Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0028X
Code of Protection	Ex dIIC Gb, Ex e IIC Gb, Ex nR IIC Gc,Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Cetificate	1310517
Code of Protection	Class I, Div 2, Group, A,B,C and D, Class II, Div 2, Groups E,F and G, Cass III, Enclosure Type 3, 4 and 4X, Ex d IIC, Ex e IIC, Ex nR II, Class I, Zone 1, AEx e II, AEx nR II
Compliance Standards	CAN/CSA-C22.2 No 0, 18, 25, 30, 94, 174, CAN/CSA-E60079-0, 1, 7, ANSI/UL 5148 Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0, 1, 7
UL Certificate	E200163
Code of Protection	Class 1, Zone 1, AEx e II
Compliance Standards	UL 514B
EAC Certificate (Formally GOST R, K and B)	TC RU C-GB.05.B00138
NEPSI Certificate	GYJ13.1141X / GYJ13.1283X
CCOE/PESO (India) Certificate	P333688
INMETRO Certificate	TUV 11.0374X
RETIE Certificate	03866
Marine Certificates	LRS; 01/00172 (E3), DNV: E-13848, ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 and IP68**
Deluge Protection	DTS01 : 91
Cable Gland Material	Brass, electroless nickel-plated brass, aluminum, stainless steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastome
Cable Type(s)	r Single Wire Armor (SWA), Aluminum Wire Armor (AWA), Pliable Wire Armor (PWA), Steel Tape Armor (STA), Aluminum Strip Armor (ASA), Screened Flexible (EMC) Wire Braid (e.g CY/SY), Wire Braid Armor (e.g., SWB)
Armor Clamping	Reversible Armor Cone and AnyWay Universal Clamping Ring
Sealing Technique	Inner bedding sealing ring: Compensating Displacement Seal (CDS), Outer Sheath Sealing Ring: Load Retention Seal (LRS)
Sealing Area(s)	Cable inner bedding and outer cable sheath

CMP T3CDS CONNECTOR

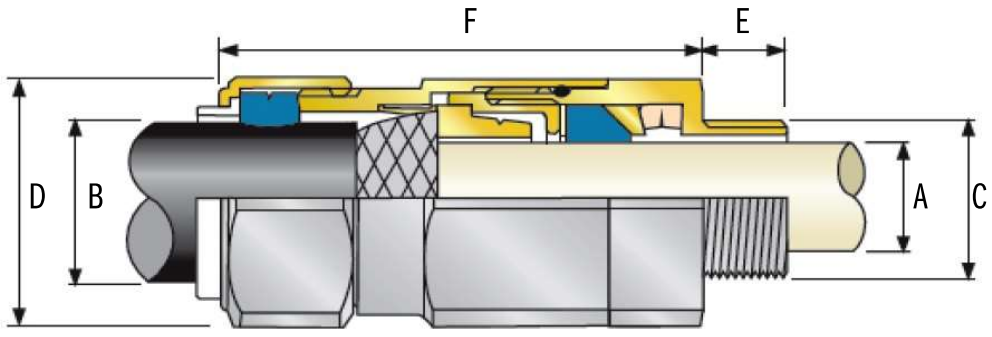
T3CDS Series

Anixter No.	Entry Thread "C" Standard Metric	Entry Thread "C" Standard NPT	Entry Thread "C" Option NPT	Minimum Thread Length "E"	Cable Bedding Diameter "A" Min.	Cable Bedding Diameter "A" Max.	Cable Bedding Diameter "B" Min.	Cable Bedding Diameter "B" Max.	Armor Wire Diameter Grooved Cone (x) Min.	Armor Wire Diameter Grooved Cone (x) Max.	Armor Wire Diameter Stepped Cone (w) Min.	Armor Wire Diameter Stepped Cone (w) Max.	Across Flats "D" Max.	Across Corners "D" Max.	Protrusion Length "F"
CMP-20S/16T3CDS	M20	1/2"	3/4"	0.59	0.12	0.34	0.24	0.52	0.01	0.02	0.03	0.05	0.94	1.04	3.10
CMP-20ST3CDS	M20	1/2"	3/4"	0.59	0.24	0.46	0.37	0.63	0.01	0.02	0.03	0.05	0.94	1.04	3.10
CMP-20T3CDS	M20	1/2"	3/4"	0.59	0.26	0.55	0.49	0.82	0.01	0.02	0.03	0.05	1.20	1.33	3.00
CMP-25ST3CDS	M25	3/4"	1"	0.59	0.44	0.78	0.55	0.87	0.01	0.02	0.05	0.06	1.48	1.63	3.50
CMP-25T3CDS	M25	3/4"	1"	0.59	0.44	0.78	0.72	1.03	0.01	0.02	0.05	0.06	1.48	1.63	3.50
CMP-32T3CDS	M32	1"	1-1/4"	0.59	0.67	1.03	0.93	1.33	0.01	0.02	0.06	0.08	1.81	1.99	3.57
CMP-40T3CDS	M40	1-1/4"	1-1/2"	0.59	0.87	1.26	1.10	1.59	0.01	0.03	0.06	0.08	2.17	2.38	3.67
CMP-50ST3CDS	M50	1-1/2"	2"	0.59	1.16	1.50	1.39	1.84	0.01	0.03	0.08	0.10	2.36	2.60	3.96
CMP-50T3CDS	M50	2"	2-1/2"	0.59	1.40	1.73	1.59	2.09	0.01	0.03	0.08	0.10	2.76	3.03	4.17
CMP-63ST3CDS	M63	2"	2-1/2"	0.59	1.58	1.96	1.80	2.34	0.01	0.03	0.08	0.10	2.95	3.25	4.04
CMP-63T3CDS	M63	2-1/2"	3"	0.59	1.86	2.20	2.15	2.59	0.01	0.03	0.08	0.10	3.15	3.46	4.15
CMP-75ST3CDS	M75	2-1/2"	3"	0.59	2.08	2.44	2.32	2.83	0.01	0.03	0.08	0.10	3.54	3.90	4.35
CMP-75T3CDS	M75	3"	3-1/2"	0.59	2.33	2.67	2.63	3.09	0.01	0.03	0.10	0.12	3.94	4.33	4.74
CMP-90T3CDS	M90	3"	4"	0.94	2.62	3.09	3.00	3.56	0.02	0.03	0.12	0.16	4.53	4.98	5.47
CMP-100T3CDS	M100	4"	5"	0.94	3.02	3.58	3.39	3.99	0.02	0.03	0.12	0.16	5.00	5.50	5.05
CMP-115T3CDS	M115	4"	5"	0.94	3.39	3.85	4.00	4.34	0.02	0.03	0.12	0.16	5.43	5.98	6.35
CMP-130T3CDS	M130	5"	6"	0.94	3.82	4.52	4.34	4.85	0.02	0.03	0.12	0.16	6.18	6.80	6.82

Dimensions are displayed in inches unless otherwise stated.

For material options please add the following suffix to change the ordering reference:
brass (no suffix required), nickel-plated brass "5", 316 grade stainless steel "4", copper free aluminum "1'"

For NPT options please add the following digits to the material suffix:
1/2" = 31, 3/4" =32, 1"= 33, 1-1/4" = 34, 1-1/2" = 35, 2" = 36, 2-1/2" = 37, 3"= 38, 3-1/2" = 39, (brass requires prefix "0")



CMP A2F CONNECTOR

A2F Series

APPLICATIONS

A2F globally approved, hazardous (Classified) location cable gland for all types of unarmored and braid armor cables

- Aluminum, nickel-plated or stainless steel designs
- Optional thread sizes
- Displacement type flameproof seal
- Designed to prevent "Coldflow"
- Deluge protected
- -60°C to 130°C
- Class I Zone 1, 21 and Zone 2, 22 Class I Division 2 ABCD
- CEC Class I Zone 1 Ex d and Class I Division 2 ABCD
- Globally marked, CSA IECEx and ATEX
- As standard in nickel-plated brass with NPT thread form

Technical Data	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification*	Impact= Level 8, Retention = Class B
Enclosure Protection	IK10 10 IEC 62262 (20 joules) N/A for aluminum - Please contact your Anixter sales office
Electrical Classification*	Category B
ATEX Certificate	SIRA13ATEX1068X, SIRA13ATEX4074X
Code of Protection	Ex II 2G,II 1D Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da, Ex II 3G Ex nR IIC Gc I M2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0023X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc,Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
CSA Cetificate	1211841
Code of Protection	Ex d IIC, Ex e II, Ex nR II: Enclosure Type 4X Class I, Div. 1 and Div. 2, Groups B, C and D
Compliance Standards	CSA No 0,0.4,94,174,CAN/CSA-E60079-0,1,7,15
KCC Certificate	13-GA4B0-0748X, 13-GA480-0749X, 13-GA4B0-0750X
NEPSI Certificate	GYJ13.1140X I GYJ13.1282X
CCOE/PESO Certificate (India)	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3), DNV: E-13848, ABS: 14-L0234401A-4-PD
Ingress Protection Rating	IP66, IP67 and IP68**
Deluge Protection Compliance	DTSOI: 91
Cable Gland Material	Brass, electroless nickel-plated brass, stainless steel, aluminum
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type(s)	Unarmored and braided
Sealing Technique	CMP unique displacement seal concept
Sealing Area(s)	Cable outer jacket

CMP A2F CONNECTOR

A2F Series

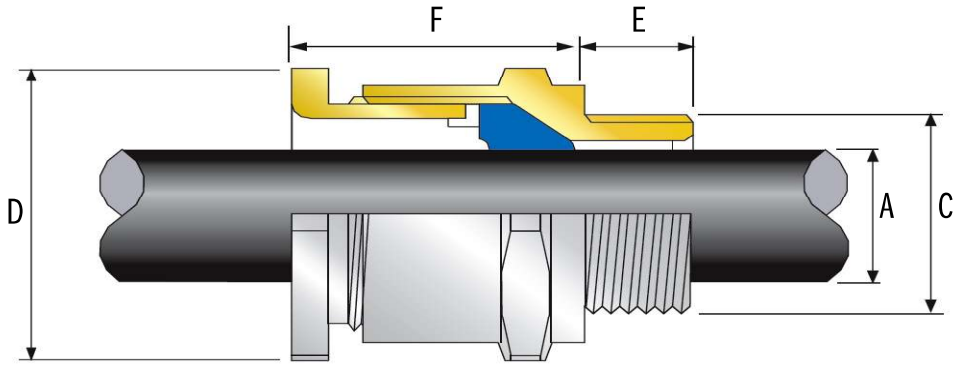
Anixter No.	Available Entry Threads "C" (Alternate Thread Lengths Available)				Overall Cable Diameter "A"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Min.	Max.	Max.	Max.	
CMP-16A2F	-	-	M16	-	0.126	0.343	0.945	1.039	0.988
CMP-20S/16A2F	1/2"	3/4"	M20	0.783	0.126	0.343	0.945	1.039	0.988
CMP-20SA2F	1/2"	3/4"	M20	0.783	0.240	0.461	0.945	1.039	0.988
CMP-20A2F	1/2"	3/4"	M20	0.783	0.256	0.551	1.063	1.169	1.071
CMP-25A2F	3/4"	1"	M25	0.795	0.437	0.787	1.417	1.559	1.398
CMP-32A2F	1"	1 1/4"	M32	0.984	0.669	1.035	1.614	1.776	1.346
CMP-40A2F	1 1/4"	1 1/2"	M40	1.008	0.925	1.268	1.969	2.165	1.382
CMP-50SA2F	1 1/2"	2"	M50	1.028	1.220	1.504	2.165	2.382	1.260
CMP-50A2F	2"	2 1/2"	M50	1.059	1.402	1.732	2.362	2.598	1.429
CMP-63SA2F	2"	2 1/2"	M63	1.059	1.634	1.965	2.776	3.055	1.319
CMP-63A2F	2 1/2"	3"	M63	1.571	1.858	2.201	2.953	3.248	1.409
CMP-75SA2F	2 1/2"	3"	M75	1.571	2.126	2.437	3.150	3.465	1.346
CMP-75A2F	3"	3 1/2"	M75	1.634	2.406	2.673	3.307	3.638	1.598
CMP-90A2F	3 1/2"	4"	M90	1.685	2.622	3.146	4.252	4.677	2.295
CMP-100A2F	4"	5"	M100	1.732	2.992	3.583	4.843	5.327	2.173
CMP-115A2F	4"	5"	M115	1.732	3.386	3.854	5.252	5.776	2.567
CMP-130A2F	5"	6"	M130	1.843	3.819	4.524	6.000	6.598	2.909

Dimensions are displayed in inches unless otherwise stated.

For material options add the following suffix to the ordering reference: brass (no suffix required); nickel-plated brass '5'; 316 grade stainless steel '4'; copper free aluminum '1'

For NPT options add the following digits to the material suffix; 1/2" = 31; 3/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/2" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (brass requires prefix '0')

Examples: **32A2F1RA534** = nickel-plated brass 1-1/4" NPT, **50SA2F1RA035** = brass 1-1/2" NPT, **25A2F1RA432** = stainless steel 3/4" NPT, **20A2F1RA5** = nickel-plated brass M20



CMP PX2KXREX CONNECTOR

PX2KXREX Series

APPLICATIONS

PX2KXREX globally approved, explosive atmosphere Rapid Ex Barrier Cable Gland for all types of braid and tape-armored cables

- RapidEx Liquid Pour Sealing System
  - Reduces risk
  - Reduces man hours
  - Reduces cost
- Metal-to-metal armor clamping
- Controlled outer "LRS" seal
  - Prevents overtightening
- Class I Zone 1, 21 and Zone 2, 22 Class I Division I ABCD
- -60°C to 85°C
- Globally marked, IECEx, ATEX and cCSAus
- EMC tested
- Direct and remote installation
- Integral, protected deluge seal

Technical Data	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification*	Impact= Level 8, Retention = Class D
Enclosure Protection	IK10 10 to IEC 62262 (20 joules) N/A for aluminum - Please contact your Anixter sales office
Electrical Classification*	Category B (Category A when used with braided cable)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ex II 2G, II 1D, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da, Ex II 3G Ex nR IIC Gc, EX IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc,Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Cetificate	2288626
Code of Protection	Class I, Div. 1,2, Groups A,B,C,D; Class II, Div. 1,3, Groups E,F,G; Class III, Div. 1, 2, Class I Zone 1 NEMA 4X, Oil Resistant II, AEx dIIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx NR IIC Gc, Class I, Zone 20 AEx ta, IIC Da
Compliance Standards	CAN/CSA-C22.2 No 0, 18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN/CSA-E61241-1-1 Part 1-1, ANSI/UL 514B ED 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
CCOE/PESO Certificate (India)	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E2), DNV: E-13848, ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 and IP68**
Deluge Protection Compliance	DTSOI: 91
Cable Gland Material	Brass, electroless nickel-plated brass, stainless steel, aluminum
Seal Material	CMP SOLO LSF Halogen free Thermoset Elastomer/RapidEx Resin Barrier
Cable Type	Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armor (PWA), Steel Tape Armor (STA), Wire Braid Armor (e.g. SWB), Aluminum Strip Armor (ASA), armored and jacketed
Armor Clamping	Detachable resin tube/cone and AnyWay Universal Clamping Ring
Sealing Techniques	Unique CMP "LRS" outer seal (load retention seal)
Sealing Area(s)	Inner RapidEx Barrier Seal and outer sheath

Note:(*) Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444.

(**) Refer to CMP catalog for further information on ingress protection ratings.

CMP PX2KXREX CONNECTOR

PX2KXREX Series

Anixter No.	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)				No. of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armor Range †				Across Flats "D"	Across Corners "D"	Protrusion Length "F"
										Grooved Cone (X)		Stepped Cone (W)				
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max.	Max.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Max.	Max.	
CMP-20S/16PX2KXREX	-	-	M16	-	11	0.461	0.461	0.240	0.516	0.012	0.040	0.031	0.049	1.201	1.321	2.441
CMP-20SPX2KXREX	1/2"	3/4"	M20	0.783	11	0.461	0.461	0.374	0.626	0.012	0.040	0.031	0.049	1.201	1.321	2.441
CMP-20PX2KXREX	1/2"	3/4"	M20	0.783	11	0.496	0.508	0.492	0.823	0.016	0.040	0.031	0.049	1.201	1.321	2.480
CMP-25SPX2KXREX	1/2"	3/4"	M20	0.783	21	0.689	0.703	0.551	0.866	0.016	0.048	0.049	0.063	1.476	1.624	2.736
CMP-25PX2KXREX	3/4"	1"	M25	0.795	21	0.689	0.703	0.717	1.031	0.016	0.048	0.049	0.063	1.476	1.624	2.736
CMP-32PX2KXREX	1"	1 1/4"	M32	0.984	38	0.929	0.941	0.933	1.335	0.016	0.048	0.063	0.079	1.811	1.992	2.953
CMP-40PX2KXREX	1 1/4"	1 1/2"	M40	1.008	59	1.181	1.193	1.098	1.591	0.016	0.062	0.063	0.079	2.165	2.382	2.953
CMP-50SPX2KXREX	1 1/2"	2"	M50	1.028	89	1.441	1.453	1.386	1.839	0.016	0.062	0.079	0.098	2.362	2.598	3.031
CMP-50PX2KXREX	2"	2 1/2"	M50	1.059	89	1.614	1.626	1.591	2.087	0.024	0.062	0.079	0.098	2.756	3.031	3.031
CMP-63SPX2KXREX	2"	2 1/2"	M63	1.059	115	1.886	1.906	1.795	2.339	0.024	0.062	0.079	0.098	2.953	3.248	3.138
CMP-63PX2KXREX	2 1/2"	3"	M63	1.571	115	2.114	2.126	2.150	2.591	0.024	0.062	0.079	0.098	3.150	3.465	3.161
CMP-75SPX2KXREX	2 1/2"	3"	M75	1.571	140	2.358	2.370	2.323	2.835	0.024	0.062	0.079	0.098	3.543	3.898	3.417
CMP-75PX2KXREX	3"	3 1/2"	M75	1.634	140	2.528	2.528	2.626	3.087	0.024	0.062	0.098	0.118	3.937	4.331	3.476
CMP-90PX2KXREX	3 1/2"	4"	M90	1.685	200	2.965	2.976	3.000	3.555	0.032	0.062	0.124	0.157	4.528	4.980	4.020
CMP-100PX2KXREX	4"	5"	M100	1.732	200	3.370	3.382	3.390	3.992	0.032	0.062	0.124	0.157	5.000	5.500	4.488

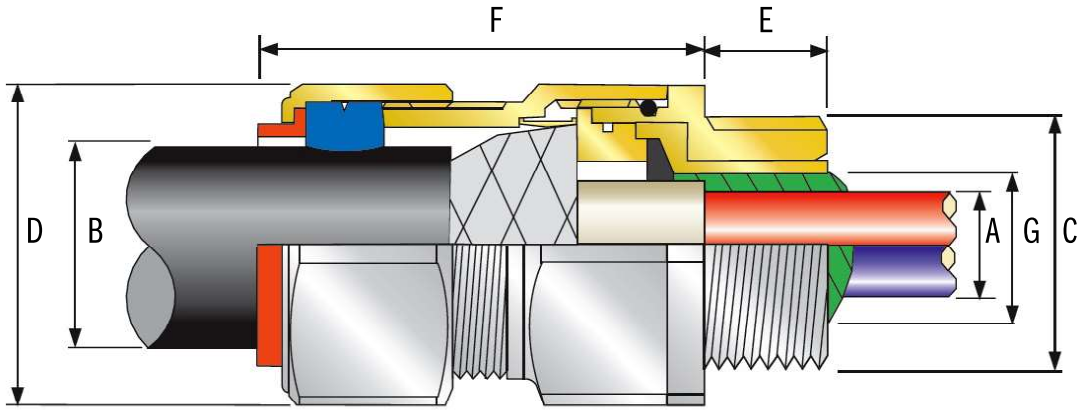
Dimensions are displayed in inches unless otherwise stated.

† Grooved Cone (X) is predominantly used for Wire Braid (e.g., GSWB, TCWB), Steel Tape Armor (STA, DSTA) and Aluminum Strip Armor (ASA) but is also suitable for Single Wire Armor (SWA), Aluminum Wire Armor (AWA) and Pliable Wire Armor (PWA) if the range is outside that of the Stepped Cone (W).

For material options please change the suffix in the ordering reference: brass (no suffix required), nickel-plated brass "5" (as standard), 316 grade stainless steel "4", copper free aluminum "1"

For NPT options please change the following digits after the material suffix: 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (brass requires prefix "0")

Examples: **32PX2KREX1RA534** = nickel-plated brass 1-1/4" NPT, **50SPX2KREX1RA035** = brass 1-1/2" NPT, **25PX2KREX1RA432** = stainless steel 3/4" NPT, 20PX2KREX1RA5 = nickel-plated brass M20



CMP PXSS2KREX CONNECTOR

PXSS2KREX Series

APPLICATIONS

PXSS2KREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland For all types of Unarmored Cables

- RapidEx liquid pour sealing system
- Designed to prevent "Coldflow"
- Enhances reliability, reduces risk
- Deluge protected
- Reduces man hours
- Disconnectable, union feature design
- Reduces cost
- -76°F to 185°F / -60°C to 85°C
- Direct and remote installation
- Class I Zone 1, 21 and Zone 2, 22 Class I Division 1 and 2 ABCD
- Superior levels of cable retention
- Globally marked, cCSAus, IECEx and ATEX
- Displacement type environmental seal
- As standard in nickel-plated brass with NPT thread form

Technical Data	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification*	Impact = Level 8, Retention = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) N/A for aluminum - Please contact your Anixter sales office
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ex II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da Ex II 3G Ex nR IIC Gc, Ex IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s/16 - 90)	2288626
Code of Protection	Class I, Groups A, B, C and D; Class II, Div. 2, Groups F and G; Class III, Div. 2; Type 4X; Oil Resistance II Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN CSA-E61241-1-1, Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0:07
CCOE/PESO Certificate (India)	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 and IP68**
Deluge Protection Compliance	DTSOI: 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless nickel-plated brass, copper Free (<0.4%) aluminum, stainless steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer/RapidEx Barrier Compound
Cable Type	Unarmored (where permitted by code)
Sealing Techniques	Unique CMP "LRS" Outer Seal (Load Retention Seal)
Sealing Area(s)	RapidEx Resin Barrier and cable outer sheath

Note:(*) Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444.
(**) Refer to CMP catalog for further information on ingress protection ratings.

CMP PXSS2KREX CONNECTOR

PXSS2KREX Series

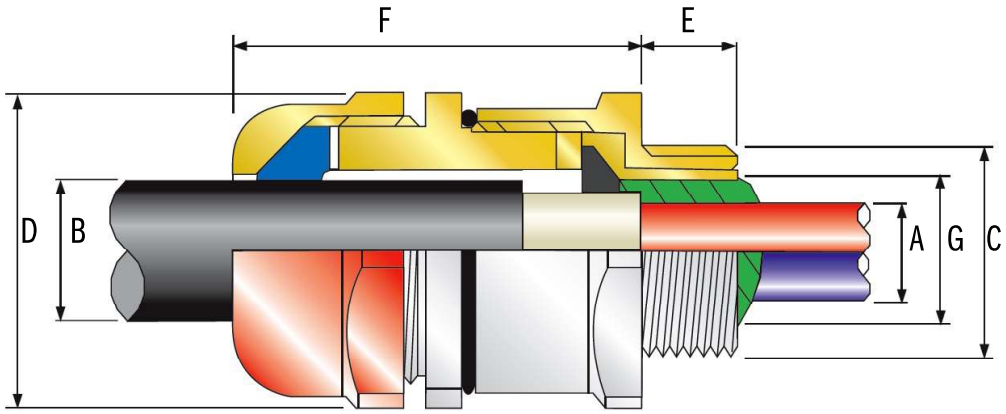
Anixter No.	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)				No. of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max.	Max.	Max.	Min.	Max.	Max.	Max.	
CMP-20S/16PXSS2KREX	1/2"	3/4"	M20	0.78	11	0.339	0.339	0.122	0.339	1.181	1.299	2.091
CMP-20SPXSS2KREX	1/2"	3/4"	M20	0.78	11	0.461	0.461	0.240	0.461	1.181	1.299	2.091
CMP-20PXSS2KREX	1/2"	3/4"	M20	0.78	11	0.496	0.508	0.256	0.551	1.181	1.299	2.134
CMP-25PXSS2KREX	3/4"	1"	M25	0.80	21	0.689	0.703	0.437	0.787	1.417	1.559	2.362
CMP-32PXSS2KREX	1"	1 1/4"	M32	0.98	38	0.929	0.941	0.669	1.035	1.614	1.776	2.406
CMP-40PXSS2KREX	1 1/4"	1 1/2"	M40	1.01	59	1.181	1.193	0.866	1.264	1.969	2.165	2.457
CMP-50SPXSS2KREX	1 1/2"	2"	M50	1.03	89	1.441	1.453	1.161	1.504	2.165	2.382	2.567
CMP-50PXSS2KREX	2"	2 1/2"	M50	1.06	89	1.614	1.626	1.402	1.732	2.362	2.598	2.661
CMP-63SPXSS2KREX	2"	2 1/2"	M63	1.06	115	1.886	1.906	1.579	1.965	2.756	3.031	2.799
CMP-63PXSS2KREX	2 1/2"	3"	M63	1.57	115	2.114	2.126	1.858	2.201	2.953	3.248	2.772
CMP-75SPXSS2KREX	2 1/2"	3"	M75	1.57	140	2.358	2.370	2.079	2.437	3.150	3.465	2.965
CMP-75PXSS2KREX	3"	3 1/2"	M75	1.63	140	2.528	2.528	2.327	2.673	3.346	3.681	2.949
CMP-90PXSS2KREX	3 1/2"	4"	M90	1.69	200	2.965	2.976	2.622	3.126	4.252	4.677	3.732
CMP-100PXSS2KREX	4"	5"	M100	1.73	200	3.370	3.382	2.992	3.579	4.843	5.327	3.398

Dimensions are displayed in inches unless otherwise stated.

For material options please change the suffix in the ordering reference: brass (no suffix required), nickel-plated brass "5" (as standard), 316 grade stainless steel "4", copper free aluminum "1"

For NPT options please change the following digits after the material suffix: 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: **32PXSS2KREX1RA534** = nickel-plated brass 1-1/4" NPT, **50SPXSS2KREX1RA035** = brass 1-1/2" NPT, **25PXSS2KREX1RA432** = stainless steel 3/4" NPT, **20PXSS2KREX1RA5** nickel-plated brass M20



CABLE TRAY–WIRE BASKET

Eaton Cooper B-Line Wire Basket Cable Tray and Support and Supplies

APPLICATIONS AND FEATURES

Eaton Cooper B-Line's wire basket cable tray system is designed for cable support in customer premise environments. B-Line's wire basket combines support, strength, lightweight construction, cable fill depth, and unmatched adaptability to site conditions, making wire basket a fast and economical system to install.

Straight Sections

Anixter No.	Vendor No.	Description
7BL-FT2X12X10	FT2X12X10	2" H x 12" W x 10' L Wire Basket
7BL-FT2X16X10	FT2X16X10	2" H x 16" W x10' L Wire Basket
7BL-FT2X18X10	FT2X18X10	2" H x 18" W x 10' L Wire Basket
7BL-FT2X2X10	FT2X2X10	2"H x 2" W x 10' L Wire Basket
7BL-FT2X24X10	FT2X24X10	2" H x 24" W x 10' L Wire Basket
7BL-FT2X4X10	FT2X4X10	2" H x 4" W x 10' L Wire Basket
7BL-FT2X6X10	FT2X6X10	2" H x 6" W x 10' L Wire Basket
7BL-FT2X8X10	FT2X8X10	2" H x 8" W x 10' L Wire Basket
7BL-FT2X4X10SS	FT2X4X10 SS	2" H x 4" W x 10' L Stainless Steel Wire Basket
7BL-FT2X6X10SS	FT2X6X10 SS	2" H x 6" W x 10' L Stainless Steel Wire Basket
7BL-FT4X12X10	FT4X12X10	4" H x 12" W X 10' L Wire Basket
7BL-FT4X18X10	FT4X18X10	4" H x 18" W X 10' L Wire Basket

Splice Materials

Anixter No.	Vendor No.	Description
7BL-WB4CA	WB4CA	Connector Assembly (50 pcs per box)
7BL-SPLICE BAR	SPLICE BAR	Splice Bar
7BL-WB9TB	WB9TB	Tee Bars for Horizontal Splice
7BL-WB-TLC	WB-TLC	Tab-Loc Connector Splice

Accessories

Anixter No.	Vendor No.	Description
7BL-WB30BC	WB30BC	Angular Bolt (Wire) Cutter
7BL-FTB08CT	FTB08CT	Click Hanger (Center Hanger/Trapeze Hanger) for 12" Basket
7BL-WB46H	WB46H	Wire Basket Hanger
7BL-SUPTWASHER	SUPT WASHER	Washer Square Splice 2"
7BL-GROUND BOLT	GROUND BOLT	Grounding Bolt

CABLE TRAY–STRUT SYSTEMS

Eaton Cooper B-Line Bolted Framing (Strut Systems)

APPLICATIONS AND FEATURES

Eaton Cooper B-Line's bolted framing and strut support systems provides an economical solution for virtually any electrical, mechanical or industrial support application. Channel and fittings can be taken apart for reuse as quickly as they were assembled, producing substantial savings in time and labor.

Channel

Anixter No.	Vendor No.	Description
7BL-B22SHGALV10	B22SHGALV10	1 5/8" x 1 5/8" Channel Slotted Hole
7BL-B54SH-120-GLV	B54SH GALV	13/16" Xx1 5/8" Channel Slotted Hole
7BL-B22A-120-GLV	B22A-120 GLV	1 5/8" x 1 5/8" Back to Back

Spring Nuts

Anixter No.	Vendor No.	Description
7BL-N224-ZN-1/4	N224	1/4-20 Spring Nut for B22 Channel
7BL-N228-ZN3/8	N228	3/8-16 Spring Nuts for B22 Channel
7BL-N524-ZN	N524	1/4-20 Spring Nut for B54 Channel
7BL-N528-ZN	N528	3/8-16 Spring Nut for B54 Channel

Fittings

Anixter No.	Vendor No.	Description
7BL-B101-ZN	B101 ZN	Two Hole Corner Angle
7BL-B104-ZN	B104 ZN	Four Hole Corner Angle
7BL-B441-22-ZN	B441-22 ZN	Beam Clamps

Pipe Straps

Anixter No.	Vendor No.	Description
7BL-B2207PA-ZN-1/2	B2207	3/8" Multi Grip Pipe Clamp for Rigid and EMT Conduit
7BL-B2208PA-ZN-1/2	B2208	1/2" Multi Grip Pipe Clamp for Rigid and EMT Conduit
7BL-B2209PA-ZN-3/4	B2209	3/4" Multi Grip Pipe Clamp for Rigid and EMT Conduit
7BL-B2210PA-ZN-1	B2210	1" Multi Grip Pipe Clamp for Rigid and EMT Conduit
7BL-B2211PA-ZN-1-1/4	B2211	1 1/4" Multi Grip Pipe Clamp for Rigid and EMT Conduit
7BL-B2212PA-ZN-1-1/2	B2212	1 1/2" Multi Grip Pipe Clamp for Rigid and EMT Conduit
7BL-B2213PA-ZN-2	B2213	2" Multi Grip Pipe Clamp for Rigid and EMT Conduit
7BL-B2014PA-ZN-2-1/2	B2014	2 1/2" Pipe Clamp for Rigid Conduit
7BL-B2015PA-ZN-3-RGD	B2015	3" Pipe Clamp for Rigid Conduit
7BL-B2016PA-ZN-3-1/2	B2016	3 1/2" Pipe Clamp for Rigid Conduit
7BL-B2017PA-ZN-4-RGD	B2017	4" Pipe Clamp for Rigid Conduit

CABLE TRAY–LADDER TRAY

Eaton Cooper B-Line Ladder Tray

APPLICATIONS AND FEATURES

Two-sided cable tray that supports power and low-voltage cabling systems over short, medium and long spans. Cable trays are manufactured in a variety of materials and finishes which enable them to be used in both indoor and outdoor applications. Unique I-beam design provides maximum side rail and rung strength while "Wedge-Lock" splice plates reduce installation costs. Smooth radius bends protect cables bending radius.

Straight Sections

Anixter No.	Vendor No.	Description
7BL-24A09-12-144	24A-09-12-144	4 in. H x 12 in. W x 12 ft. L, aluminum cable tray, 9 in. rung spacing
7BL-36A09-12-144	36A-09-12-144	6 in. H x 12 in. W x 12 ft. L, aluminum cable tray, 9 in. rung spacing
7BL-46A09-24-240	46A-09-24-240	6 in. H x 24 in. W x 20 ft. L, aluminum cable tray, 9 in. rung spacing

Bends

Anixter No.	Vendor No.	Description
7BL-4A-12-HT12	4A-12-HT12	4 in. H x 12 in. W, horizontal tee, 12 in. radius
7BL-4A-12-90HB12	4A-12-90HB12	4 in. H x 12 in. W, 90° horizontal bend, 12 in. radius
7BL-6A-24-HT12	6A-24-HT12	6 in. H x 24 in. W, horizontal tee, 12 in. radius
7BL-6A-24-90HB24	6A-24-90HB24	6 in. H x 24 in. W, 90° horizontal bend, 24 in. radius
7BL-4A-12-90V012	4A-12-90V012	4 in. H x 12 in. W, 90° vertical outside bend, 12 in. radius
7BL-4A-12-90VI12	4A-12-90VI12	4 in. H x 12 in. W, 90° vertical inside bend, 12 in. radius
7BL-6A-12-90V024	6A-12-90V024	6 in. H x 12 in. W, 90° vertical outside bend, 24 in. radius
7BL-6A-24-90V024	6A-24-90V024	4 in. H x 24 in. W, 90° vertical outside bend, 24 in. radius

Splices

Anixter No.	Vendor No.	Description
7BL-9A-1004	9A-1004	4 in. H standard splice
7BL-9A-1006	9A-1006	6 in. H standard splice
7BL-9A-1024	9A-1024	4 in. H vertical adjustable splice
7BL-9A-1026	9A-1026	6 in. H vertical adjustable splice
7BL-9A-1014	9A-1014	4 in. H expansion splice
7BL-9A-1016	9A-1016	6 in. H expansion splice

Support and supplies

Anixter No.	Vendor No.	Description
7BL-99-1620	99-1620	2,000 amp bonding jumper
7BL-99-40	99-40	1,600 amp bonding jumper
7BL-9A-1104-12	9A-1104-12	12 in. W drop-out
7BL-9A-1104-24	9A-1104-24	24 in. W drop-out
7BL-9P-5512-22SH	9P-5512-22SH	12 in. W trapeze support kit
7BL-5524-22SH	9P-5524-22SH	24 in. W trapeze support kit

CABLE TIES

Panduit PAN-TY Cable Ties - Nylon 6.6

APPLICATIONS AND FEATURES

- One-piece construction, low thread force
- For 1,000 packs, replace vendor "-C" with "-M" (PLT1M-M)
- Suffix "0" denotes weather-resistant nylon 6.6

Miniature cross section

Anixter No.	Vendor No.	Max. Bundle Diameter in.	Length in.	Colour	Std. Pkg.
PAN-PLT1M-C	PLT1M-C	0.87	3.9	Natural	100
PAN-PLT1M-C0	PLT1M-C0	0.87	3.9	Black	100
PAN-PLT1M-M	PLT1M-M	0.87	3.9	Natural	1,000
PAN-PLT1M-M0	PLT1M-M0	0.87	3.9	Black	1,000
PAN-PLT1.5M-C	PLT1.5M-C	1.25	5.6	Natural	100
PAN-PLT1.5M-C0	PLT1.5M-C0	1.25	5.6	Black	100
PAN-PLT1.5M-M	PLT1.5M-M	1.25	5.6	Natural	1,000
PAN-PLT1.5M-M0	PLT1.5M-M0	1.25	5.6	Black	1,000
PAN-PLT2M-C	PLT2M-C	2.00	8.0	Natural	100
PAN-PLT2M-C0	PLT2M-C0	2.00	8.0	Black	100
PAN-PLT2M-M	PLT2M-M	2.00	8.0	Natural	1,000
PAN-PLT2M-M0	PLT2M-M0	2.00	8.0	Black	1,000

Intermediate cross section

Anixter No.	Vendor No.	Max. Bundle Diameter in.	Length in.	Colour	Std. Pkg.
PAN-PLT1.5I-C	PLT1.5I-C	1.38	5.6	Natural	100
PAN-PLT1.5I-M	PLT1.5I-M	1.38	5.6	Natural	100
PAN-PLT1.5I-C0	PLT1.5I-C0	1.38	5.6	Black	100
PAN-PLT1.5I-M0	PLT1.5I-M0	1.38	5.6	Black	100
PAN-PLT2I-C	PLT2I-C	2.0	8.0	Natural	100
PAN-PLT2I-M	PLT2I-M	2.0	8.0	Natural	1000
PAN-PLT2I-C0	PLT2I-C0	2.0	8.0	Black	100
PAN-PLT2I-M0	PLT2I-M0	2.0	8.0	Black	1000
PAN-PLT2I-C14	PLT2I-C14	2.0	8.0	Grey	100
PAN-PLT3I-C	PLT3I-C	3.0	11.4	Natural	100
PAN-PLT3I-C0	PLT3I-C0	3.0	11.4	Black	100
PAN-PLT3I-C14	PLT3I-C14	3.0	11.4	Grey	100
PAN-PLT3I-M	PLT3I-M	3.0	11.4	Natural	1,000
PAN-PLT3I-M0	PLT3I-M0	3.0	11.4	Black	1,000
PAN-PLT4I-C	PLT4I-C	4.00	14.5	Natural	100
PAN-PLT4I-C0	PLT4I-C0	4.00	14.5	Black	100
PAN-PLT4I-C14	PLT4I-C14	4.00	14.5	Grey	100
PAN-PLT4I-M	PLT4I-M	4.00	14.5	Natural	1,000
PAN-PLT4I-M0	PLT4I-M0	4.00	14.5	Black	1,000

STAINLESS STEEL CABLE TIES

Stainless Steel Cable Ties 304

SPECIFICATIONS

1. Self locking, ball bearing mechanism for quick and easy installation, either by hand or by tensioning tool
2. Fully enclosed head does not allow dirt or grit to interfere with locking mechanism
3. High tensile strength option for added strength and safety on heavy duty applications
4. Operating Temperature: -80°C to +538°C (-112°F to +1000°F

APPLICATIONS

Grade 304 material is commonly used for stainless steel bundling applications and suits most general purpose requirements. It features the ability to withstand most environmental conditions, particularly in applications where vibration, general weathering, radiation and temperature extremes are a concern.

GRADE 304 – 200 lb. STAINLESS STEEL CABLE TIES

Anixter Number	Manufacturer Part Number	Min. Tensile Strength lbs (N)	Length in. (mm)	Max Ø Bundle in. (mm)	Width in. (mm)	Package Qty
MBT5S-S	111-93058	200 (900)	5.0" (127)	1.0" (25)	.18" (4.6)	100
MBT8S-S	111-93088	200 (900)	7.9" (201)	2.0" (50)	.18" (4.6)	100
MBT14S-S	111-93148	200 (900)	14.3" (362)	4.0" (102)	.18" (4.6)	100
MBT20S-S	111-93208	200 (900)	20.5" (521)	6.0" (152)	.18" (4.6)	100
MBT27S-S	111-93278	200 (900)	26.8" (681)	8.0" (203)	.18" (4.6)	100
MBT33S-S	111-93338	200 (900)	33.0" (838)	10.0" (254)	.18" (4.6)	100

GRADE 304 – 450 lb. STAINLESS STEEL CABLE TIES

Anixter Number	Manufacturer Part Number	Min. Tensile Strength lbs (N)	Length in. (mm)	Max Ø Bundle in. (mm)	Width in. (mm)	Package Qty
MBT8H	111-94088	450 (2000)	7.9" (201)	2.0" (50)	.31" (7.9)	50
MBT14H	111-94148	450 (2000)	14.3" (362)	4.0" (102)	.31" (7.9)	50
MBT20H	111-94208	450 (2000)	20.5 (521)	6.0" (152)	.31" (7.9)	50
MBT27H	111-94278	450 (2000)	26.8" (681)	8.0" (203)	.31" (7.9)	50
MBT33H	111-94338	450 (2000)	33.0 (838)	10.0" (254)	.31" (7.9)	50

STAINLESS STEEL CABLE TIES

Stainless Steel Cable Ties 316

SPECIFICATIONS

1. Self locking, ball bearing mechanism for quick and easy installation, either by hand or by tensioning tool
2. Fully enclosed head does not allow dirt or grit to interfere with locking mechanism
3. High tensile strength option for added strength and safety on heavy duty applications
4. Operating Temperature: -80°C to +538°C (-112°F to +1000°F)

APPLICATIONS

Grade 316 material is highly resistant to corrosion and widely used in marine environments where chemicals, salts, acids, and temperature extremes may affect the bundling application. MBT stainless steel ties in 316 steel material are also available with a polyester protective coating. This coating creates a barrier and protectant from chemical reactions of dissimilar metals.

GRADE 316 – 200 lb. STAINLESS STEEL CABLE TIES

Anixter Number	Manufacturer Part Number	Min. Tensile Strength lbs (N)	Length in. (mm)	Max Ø Bundle in. (mm)	Width in. (mm)	Package Qty
MBT5S-S	111-93058	200 (900)	5.0" (127)	1.0" (25)	.18" (4.6)	100
MBT8S-S	111-93088	200 (900)	7.9" (201)	2.0" (50)	.18" (4.6)	100
MBT14S-S	111-93148	200 (900)	14.3" (362)	4.0" (102)	.18" (4.6)	100
MBT20S-S	111-93208	200 (900)	20.5" (521)	6.0" (152)	.18" (4.6)	100
MBT27S-S	111-93278	200 (900)	26.8" (681)	8.0" (203)	.18" (4.6)	100
MBT33S-S	111-93338	200 (900)	33.0" (838)	10.0" (254)	.18" (4.6)	100

GRADE 316 – 450 lb. STAINLESS STEEL CABLE TIES

Anixter Number	Manufacturer Part Number	Min. Tensile Strength lbs (N)	Length in. (mm)	Max Ø Bundle in. (mm)	Width in. (mm)	Package Qty
MBT8H	111-94089	450 (2000)	7.9" (201)	2.0" (50)	.31" (7.9)	50
MBT14H	111-94149	450 (2000)	14.3" (362)	4.0" (102)	.31" (7.9)	50
MBT20H	111-94209	450 (2000)	20.5 (521)	6.0" (152)	.31" (7.9)	50
MBT27H	111-94279	450 (2000)	26.8" (681)	8.0" (203)	.31" (7.9)	50
MBT33H	111-94339	450 (2000)	33.0 (838)	10.0" (254)	.31" (7.9)	50

GRADE 316 – 607 lb. STAINLESS STEEL CABLE TIES

Anixter Number	Manufacturer Part Number	Min. Tensile Strength lbs (N)	Length in. (mm)	Max Ø Bundle in. (mm)	Width in. (mm)	Package Qty
MBT14XHS	111-95148	607 (2700)	14.3" (362)	4.0" (102)	.50" (12.3)	50
MBT20XHS	111-95208	607 (2700)	20.5 (521)	6.0" (152)	.50" (12.3)	50
MBT27XHS	111-95279	607 (2700)	26.8" (681)	8.0" (203)	.50" (12.3)	50
MBT33XHS	111.95448	607 (2700)	33.0 (838)	10.0" (254)	.50" (12.3)	50
MBT14XH	111-95149	607 (2700)	14.3" (362)	4.0" (102)	.50" (12.3)	50
MBT20XH	111-95209	607 (2700)	20.5 (521)	6.0" (152)	.50" (12.3)	50
MBT27XH	111-95279	607 (2700)	26.8" (681)	8.0" (203)	.50" (12.3)	50
MBT33XH	111-95339	607 (2700)	33.0 (838)	10.0" (254)	.50" (12.3)	50

STAINLESS STEEL CABLE TIES

Stainless Steel Cable Ties 316 cont.

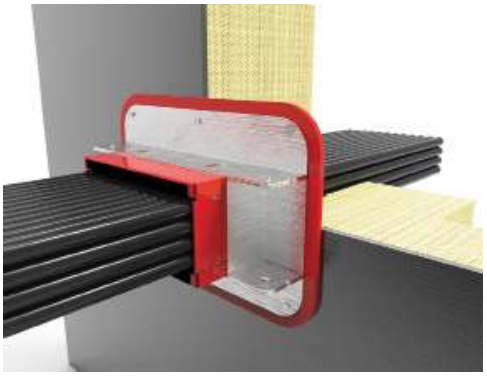
GRADE 316 – 922 lb. STAINLESS STEEL CABLE TIES

Anixter Number	Manufacturer Part Number	Min. Tensile Strength lbs (N)	Length in. (mm)	Max Ø Bundle in. (mm)	Width in. (mm)	Package Qty
MBT14UH	111-01301	922 (4100)	14.3" (362)	4.0" (102)	.31" (7.9)	50
MBT20UH	111-01302	922 (4100)	20.5 (521)	6.0" (152)	.31" (7.9)	50
MBT27UH	111-01303	922 (4100)	26.8" (681)	8.0" (203)	.31" (7.9)	50
MBT33UH	111-01304	922 (4100)	33.0" (838)	10.0" (254)	.31" (7.9)	50
MBT43UH	111-01305	922 (4100)	43.0" (1092)	13.0" (330)	.31" (7.9)	25
MBT49UH	111-10306	922 (4100)	49.0" (1245)	15.0" (380)	.31" (7.9)	25

Specified Technologies EZ-Path Marine Cable Transits

APPLICATIONS AND FEATURES

For new or existing cable applications, EZ-Path is the easy-to-install solution for penetrating fire-rated walls and floors. This low-leakage device remains fire and leakage safe whether empty or 100 percent visually filled. Cables can be added or changed without the need to remove and reinstall firestopping materials. The compact square design provides greater cable loading than a conventional sleeve. EZ-Path devices can be installed using available single-, double-, triple-, four- and seven-gang mounting plates for additional capacity, segregation of cables and cable management. EZ-Path Marine Cable Transit installations offer a Lloyds, DNV, ABS, UL and CSA classified wall systems with 100% sealed fire and smoke protection. The device is safety orange and comes with wall labels for easy identification. From installation (empty) to 100 percent visual fill, it continuously remains firestopped and compliant.



Fire-Rated Cable Transits

Anixter No.	Vendor No.	Descript	Weight kg/(lbs)
		Cable Loading Area / Cable Transit: 12.0 in.² (77cm²)	
40005	MDM150A	Marine 150 Single Solid Plate Kit w/ Device	3.60 (8.00)
40006	MDM150B	Marine 150 Four Gang Solid Plate Kit w/ 4 Devices	8.80 (19.50)
40008	MDM150Y	Marine 150 Single Solid Plate Kit w/ Device – For DNV Requirements	3.80 (8.50)
40009	MDM150Z	Marine 150 Four Gang Solid Plate Kit w/ 4 Devices – For DNV Requirements	9.70 (21.50)
		Cable Loading Area / Cable Transit: 6.0 in.² (39 cm²)	
40007	MDM300A	Marine 300 EZ-Path® with Integrated Solid Plate	2.00 (4.40)
		Cable Loading Area / Cable Transit: 12.7 in.² (82 cm²)	
40089	MDM400A	Marine 400 Single Solid Plate Kit and Cable Transit Unit	3.90 (8.60)
40046	MDM400B	Marine 400 Single Split Plate Kit and Cable Transit Unit	3.90 (8.60)
40047	MDM400C	Marine 400 Two-Gang Solid Plate Kit with Two Cable Transit Units	6.70 (14.90)
40048	MDM400D	Marine 400 Two-Gang Split Plate Kit with Two Cable Transit Units	7.80 (17.20)
40445	MDM400G	Marine 400 Four-Gang Solid Plate Kit with Four Cable Transit Units	12.30 (27.30)

Firestop Putty

Anixter No.	Vendor No.	Description	Case Quantity	Weight kg/(lbs)
42101	MPU28	28 cu. In. (458.8 ml) Putty Bar	25	0.80 (1.85)
42107	MPU52	Firestop Putty Coils Packaged in 3.5 Gallon (13.2 L) Pail	NA	13.90 (30.8)

Snap-Seal Cable Plug

Anixter No.	Vendor No.	Description	Case Quantity	Weight kg/(lbs)
47105	MSS25	Two-Piece Split Cable Plug	100	2.20 (4.80)

Notes:

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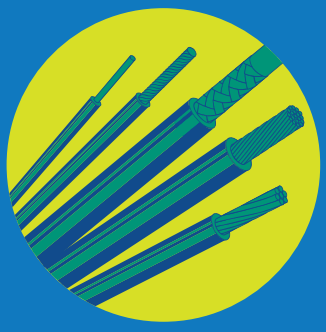
- LSZH Mil Spec Cables
- LSZH Communications and Fiber Cables
- Electrical Accessories
- Security Solutions
- Lighting



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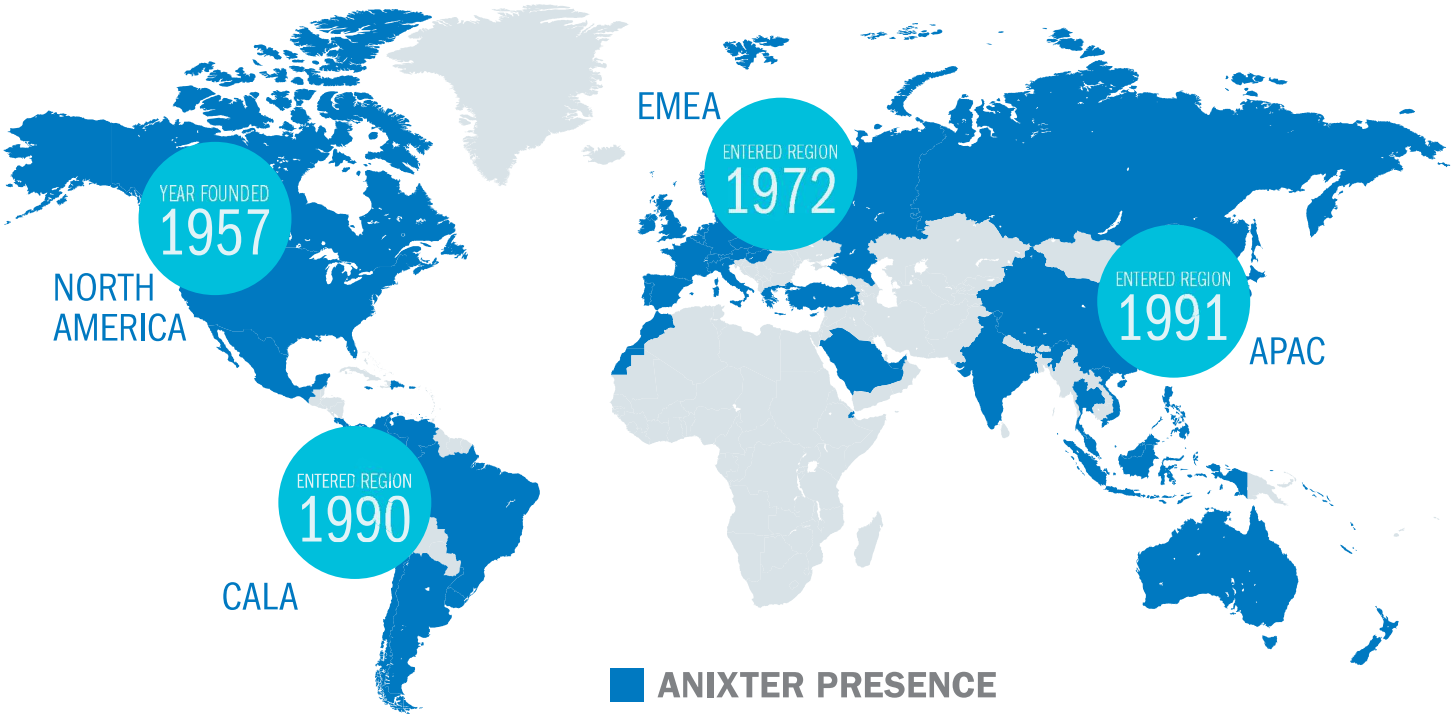
Corporate Snapshot



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