#### **WIRE & CABLE HANDBOOK ISSUE 6**

**Section 19 Our Manufacturer Partners** 





















Habia Cable

HELKAMA



















## A global range of cables for all applications











- Defence Cables
- Rail Cables
- Oil and Gas Cables
- Mining Cables
- Industrial Cables
- Power Cables
- Bespoke Customer Cables











The right cable in the right place doing the right job!

For full data sheets and technical support visit:

www.aeicables.co.uk

### Cables For The Most Hostile Environments



















XTRA-GUARD cables are hazard-matched to deliver xtreme performance and system reliability in the most hostile operating conditions and environments.

And now - Alpha Wire's revolutionary XTRA-GUARD SELEXION GUIDE - allows you to select the exact cable for your xtreme environment. Just follow the selection options and the SELEXION GUIDE will instantly recommend the XTRA GUARD cable type that correctly matches your application's hostile environment. It's that easy!



Visit xtraguard.com to select the correct cable for your application's hostile environment.





#### Belden Leads the Field in Signal Transmission Solutions

If you are looking for effective signal transmission, choose Belden. We are a global leader in the design, manufacture and marketing of signal transmission products for data networking and a wide range of specialty electronics markets including entertainment, industrial, security and aerospace applications. Belden offers quality, flexibility and exceptional reliability. And we can prove it, time and again.

Belden is proud to be working with Anixter. Together, we can offer customers the benefits of a range of high performance products, backed by international know-how and expertise.

Whatever you need – Belden has the right solution. For more information please call +44 (0) 161 4983 749 or visit www.beldensolutions.com





## Right on track

Market leading Metro signalling cable



Brand-Rex is a leading supplier of high performance cables for extreme environment applications with extensive experience in manufacturing bespoke cabling solutions for railway signalling and communication applications.

Brand-Rex holds prestigious London Underground cable specifications approvals for low to medium voltage, single core power and earth cables, multicore and multipair trackside cables, track crossing cable and equipment room wiring.









Cables within the B.T.C. range are particularly suitable for the Petrochemical Industry, Offshore Industry, Marine Industry, Refining, Steel Works, Nuclear Power Plants, General Industrial Operations and Special Applications.

What ever the requirements for Instrumentation and Control Cables we at B.T.C. have the solution.

#### Instrumentation Cables

#### **BS Standards**

BS 5308 Part 1 Type 1, 2 & 3 Full range BS 5308 Part 2 Type 1, 2 & 3 Full range BS EN 50288-7 Full range

BS 5467 & BS 6724 control cables 1.5, 2.5 & 4mm<sup>2</sup> max conductor size.

BS 6883 and UKOOA instrumentation and control cables including fire resistant cables to BS 7917.

#### **Composite Cables**

Almost any composite cable can be designed and manufactured with coaxial, control, instrumentation or communication components to either flame retardant or fire resistant standards.

#### **Compounds & Components**

Insulation Types:- PVC, PE, Cell PE, XLPE, XL-EPR, LDPE, HDPE,

ALHDPE, Nylon, High Temp PVC, Low Temp PVC,

Polyamide

Fire Barriers:- Mica Glass Tape

Armour Types:- SWA, AWA, DSTA, GSWB, CWB, TCWB, CTA

#### **Sheathing Compounds:-**

PVC, RP-PVC, High Temp PVC, Low Temp PVC, Polythene, LSZH, SHF1, SHF2, SW4, Hydrocarbon Resistant, HDPE, MDPE, NBR-PVC, Anti Termite, Nylon, Polyamide Hydrocarbon barrier alternative to lead sheathing and environmentally superior.

Flame Retardant:- IEC 60332-3 – 24 and 22

Fire Resistant:- IEC 60331-11-21, BS 6387, CAT CWZ

#### **Telephone Cables**

CW 1128/1198PJF filled, CW 1236, CW 1308, CW 1308B ENATS 09-6 full range

email: BTClberica@aol.com













## CABLE

Market leaders in Ex d, Ex e & Ex nR Cable Glands Ex d & Ex e Cable & Conduit Accessory range New range of Flat Form Cable Glands New ThermEx Seals rated to 200°C

Request your 2014 Cleat catalogue

## CABL

Including Conqueror - The Worlds Safest Cable Cleat **New Stainless Steel, Aluminium & Nylon Cable Cleats** Short Circuit Ratings to a Market Leading 196kA Third Party Certified to IEC 61914:2009

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## RAPIDEX

Cures more than 18 times faster than traditional compounds Installs in Seconds, Cures in Minutes, Seals Indefinitely The Fast Curing, Gas Blocking, Liquid Resin Seal Compliant with IEC, NEC & CEC Wiring Codes

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#### Copperfield® has the most complete lead wire selection.

CCI's Copperfield® brand is the industry leader in UL/CSA appliance, SAE automotive, military and industrial lead wire. Our state-of-the-art production facilities are fully integrated to provide our customers with an array of copper fabrication and extrusion solutions. The Copperfield® brand also offers the broadest range of insulation materials in the industry from PVC, XLPE, EPDM, CPE, TPE, Silicone or Braided Silicone. Our product line delivers the most complete lead wire selection in the industry by means of over 250 UL, CSA, SAE, and Military styles and approvals.

#### PORTABLE CORD

Pump & Welding Cables • XHHW-2 XLP USE-2 • DLO • Type W/G/GGC Stage & Airport Lighting PPE • Control Cable

#### TRAY CABLES 300V & 600V Instrumentation

300V & 600V Instrumentation 600V Power & Control Cable

#### LEAD & HOOK-UP WIRE Appliance & Building Wire

Automotive & Military Wire



One Source Offering The Broadest Line Of Professional Products

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## UniCam<sup>®</sup> High-Performance Connectivity Solutions

Corning Cable Systems brings together the market's most proven no-epoxy/no-polish connector with highly intuitive tooling to make fast, easy, ultra-high-quality termination possible. UniCam High-Performance Connectivity Solutions include LC, SC and ST® Compatible Connectors, multimode and single-mode, with innovative, craft-friendly installation tools that make termination virtually error-free. It takes exceptional engineering to make exceptional optical performance this exceptionally easy.

For further information on Corning's UniCam solution please visit our website: http://cablesystems.corning.com/1-EasyUniCam.html





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**CORNING** 

## **PREVENTION**

## **CURE**



is better than





BS 6387 fire testing in progress at Ducab

Major casualties can be avoided if effective fire preventive features are designed and installed. That's where **Ducab Flam BICC** range of cables play a vital role. Designed for laying in metallic conduit or in cable trunking where electrical circuit integrity under fire circumstances is of paramount importance.

these cables ensure very low smoke and zero halogen in the event of fire. Ducab has one of the most advanced facilities for manufacturing LPCB approved fire resistant cables and world class quality standards as these cables go through stringent fire tests.

Next time you think construction, think Ducab Flam BICC cables!

#### SUPERIOR FIRE PERFORMANCE CRITERIA:

- Reduced Flammability
- Resistance to fire
- Low Smoke Emission
- Zero Halogen

#### www.ducab.com



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عوکاب Ducab علی advanced cable solutions

Email: ducab@ducab.com, sales@ducab.com

## Habia Cable

# We develop, manufacture and market wires, cables and cable systems for demanding applications

As one of Europe's leading wire and cable manufacturers, Habia Cable provides a consistently high level of service to every customer, offering:

- Prompt response
- · Short lead-times
- · Low minimum order quantities
- Balance of commercial/technical needs
- · Cost-effective design solutions
- Local technical support

- PTFE/ETFE/FEP/PFA Equipment Wire
- Def Stan Approval including Part 18, Part 31 and Part 33/001
- Seaguard naval cables to Part 25
- BS3G210, UL cables, Nato Stock Numbers
- Multicore and Hybrid Cables
- Coaxial Cables RG and Speedflex types
- Flexiform, Speedfoam and Speedfoam HT
- Landguard VG95218 for armoured vehicles
- Hiflex power cores for armoured vehicles

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Info.uk@habia.com





At Helkama we develop, manufacture and deliver marine and offshore cables in close cooperation with our customers. This has enabled us to create a wide range of highly competitive products, which is backed up by first class service.

With unique speed and flexibility we deliver cables to suit every need, also in smaller volumes.

We have an extensive range of LSHF and oil resistant products. Small diameter and light weight make the cables fast to strip and install. Our cables are approved by the major classification societies.

For more information visit helkamabica.fi or call +358 2 410 8700

more than you expected



Ask about our new Offshore and OEM products.





At the core of performance

People's safety is your priority. For many years Nexans has been dedicated to improving safety in buildings in order to protect people's lives and properties from fire. This resulted in creating ALSECURE', an innovative range of fire safety cables. Moreover, thanks to a specific insulation technology, our fire resistant cables are able to maintain the integrity of critical security functions in buildings: they strongly contribute to ensuring circuit integrity, containing a fire and reducing smoke, toxic gases and carbon monoxide emissions.



Wider body widths meet requirements for cable support applications and install up to three times faster than conventional strapping systems.

PAN-STEEL® 12.7mm and 15.8mm Wide **Self-Locking Stainless Steel Ties** 

- Meets IEEE and Coast Guard requirements for support and retention of cables
- Wider load bearing surface for bundles ideal for use on ships and offshore rigs
- Patented self-locking design no fold over or additional installation steps required
- Pre-assembled discrete lengths available no field assembly required
- 304 or 316 stainless steel withstands harsh environments
- No sharp edges protects cable bundle and installer
- Loop tensile strength from 2670 N -8010 N.
- Tension control tool provides fast, consistent installation and flush cut-off



Full line stainless steel ties and installation tooling

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**Contact Customer Service by e-mail:** cs-emea@panduit.com or by phone: +44 (0) 20 8601 7200





# TE COMPONENTS TE TECHNOLOGY TE DESIGN KNOW-HOW...

TE Connectivity (TE) provides a comprehensive range of wire/cable and related interconnects for Aerospace, Defense and Marine harsh environment applications.

Get your product to market faster with a smarter, better solution from TE. Working together early in your design process, we can help you reach a better connectivity solution.

#### TE DECENICAS INCLUES

- Wire & Cable / Fiber Optics / Identification
- Harnessing Components / Devices & Molded Parts
- Connectors and Backshells
- Relays & Contactors
- Sensors / RF

And much more...

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For Lloyds Approved BS7917
Fire Resisting Marine Cable!

Also BASEC & European Approved:

LSOH Armoured Cables
LSOH Wiring Cables
Fire Resisting Cables
PVC Armoured & Wiring Cables
Ship Wiring & Offshore Cables
Mining & Trailing Cables
Flexible Wiring Cables
Network Rail Cables
Medium & High Voltage Cables
Overhead Line Cables
Control, Data & Telecom Cables



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E TOXFREE MARINE XTCuZ1-K (AS)



#### XTREM HO7RN-F (90°C)

Rubber cables for low voltage apppliances including electric motors and submersible pumps in deep water installations.



#### TRI RATED

The high temperature universal cable for the internal wiring of electrical cabinets, switch boards and small electrical devices.



#### TOPFLEX HO7V-K

This electric cable is specially suitable for easy and safe domestic installations.









