Xtra-Guard Flex **Motor Supply Cable**





Tough, high performance flexible cable for motor and drive applications

ow you can get the exceptional performance of Xtra-Guard for motor and drive applications with Alpha Wire's flexible motor supply cable. The symmetrical design of the cables results in a smaller diameter and easier routing of connectors to servomotors, AC drives, and variable-frequency drives (VFD). The combination of the conductor stranding and overall cable design make the product flexible and suitable for applications that require better flexibility. The cables are MTW-rated and meet the requirements of NFPA 79, allowing them to be used in industrial machinery applications. The cables use our Supra-Shield® combination of tinned copper braid and double layer of aluminum foil on polyester to offer exceptional EMI performance across the widest range of frequencies.

- 16-6 AWG (1.32-13.49 mm²) conductor size range
- Meet NFPA Standard 79 for industrial machinery
- Premium PVC jacket for outstanding sunlight and oil resistance
- Supra-Shield foil/braid for exceptional EMI protection

- Ideal for motor, drive, wind turbine, and light-duty VFD applications
- · Products are available in bulk, cut to length
- Products with STOOW portable rating as well as brake or signal pairs available on request

Specifications

Conductors Stranded bare copper

Insulation PVC/Nylon

Shieldina Tinned copper braid (70% coverage) over

aluminum/polyester/aluminum foil

Jacket Premium PVC, black

Electrical

600 volt (UL Type TC-ER, MTW) Voltage

1000 volt (UL Type WTTC)

Physical & Mechanical

Temperature Range

Flexing: -5°C to +90°C Static: -20°C to +90°C

Bend Radius 10x Cable Diameter

CSA AWM I/II A/B, FT4 Sunlight resistant

Oil Res. I









Approvals

UL Type TC-ER, MTW, WTTC

Xtra-Guard Flex Motor Supply Cable





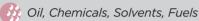




Part No.	Conductors	Wire Size		Stranding		Nominal Diameter		Jacket Thickness		Insulation Thickness	
		AWG	mm2	AWG	mm	Inch	mm	Inch	mm	Inch	mm
5660	4	16	1.49	26/30	65 x 0.25	0.381	9.67	0.050	1.27	0.016	0.40
5661	4	14	1.85	41/30	41 x 0.25	0.418	10.61	0.050	1.27	0.016	0.40
5662	4	12	2.41	65/30	65 x 0.25	0.464	11.78	0.050	1.27	0.016	0.40
5663	4	10	2.94	105/30	105 x 0.25	0.579	14.70	0.063	1.60	0.022	0.55
5664	4	8	4.21	168/30	168 x 0.25	0.760	19.30	0.063	1.60	0.032	0.81
5665	4	6	5.33	266/30	266 x 0.25	0.901	22.88	0.083	2.10	0.032	0.81



Ultraviolet Light





Direct Burial



EMI Noise



GLOBAL HEADQUARTERS 711 Lidgerwood Avenue Elizabeth, NJ 07207-0711 USA Toll Free: 1-800-52 ALPHA Tel: 1-908-925-8000 Fax: 1-908-925-5411 E-mail: info@alphawire.com

EUROPE Alpha Wire International Sunbury Int'l Business Centre | Brooklands Close | Windmill Road Sunbury-on-Thames | Middlesex | United Kingdom | TW16 7DX Tel: +44 (0) 800 288 8809 Fax: +44 (0) 800 288 8810 E-mail: europe@alphawire.com

