

Lutze DRIVEFLEX™ XLPE (C) PVC 0.6/1kV, Shielded

NEW

Flexible VFD & Motor Supply Cable with UL/TC-ER/WTTC/CSA/CE Approvals



Application

- Shielded multi-conductor cable for VFD and Motor applications to connect power from drives to motors
- Cable design for harsh industrial environments and operating conditions with high noise levels
- XLPE thick wall insulation with low capacitance, ideal for applications with **high voltage spikes and long cable runs**
- Compliant with **NFPA 79** for wiring of industrial machinery
- **TC-ER** for use with cable trays **without conduit**, which can reduce material and labor costs
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

Characteristics

- Flexible XLPE conductor design
- Non-wicking fillers
- Effective dual layer shield for EMC compliance
- Specially formulated jacket for oil resistance and easy strip design
- Low capacitance cable
- Round cable – seals well with circular connectors
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc free and silicone free

Technical Data

Voltage	600V UL TC 1000V Flexible VFD Servo cable 90C 1000V WTTC
Temperature	-40°C - +90°C static
Bending radius	6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Approvals	UL Type TC-ER UL/AWM/CSA/CE UL DP-1 Flexible VFD Servo cable WTTC Class 1, Div. 2 per NEC Art. 336, 392, 501 C(UL) TC CIC FT4 UL 1277 Oil res II Wet/Dry MSHA RoHS

Construction

- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- XLPE insulation RHW-2, Wet/Dry
- Shielded with foil tape, tinned copper braid with ≥80% optical coverage, and drain wire
- Flexible, oil resistant black PVC jacket

Specifications are subject to change without prior notice

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Part No.	Description No. of conductors incl. ground	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
	AWG 16 (26/30)				
A2161604	4	14.1	0.486	143	53
	AWG 14 (41/30)				
A2161404	4	15.4	0.555	192	75
	AWG 12 (65/30)				
A2161204	4	17.5	0.608	247	115
	AWG 10 (105/30)				
A2161004	4	23.3	0.690	327	172
	AWG 8 (168/30)				
A2160804	4	25.4	0.918	566	271
	AWG 6 (266/30)				
A2160604	4	25.4	0.999	734	411
	AWG 4 (413/30)				
A2160404	4	29.1	1.146	1,042	620
	AWG 2 (665/30)				
A2160204	4	33.5	1.320	1,479	978

