

Lutze DRIVEFLEX® XLPE (C) Servo II PVC, Shielded

Flexible Composite VFD, Servo & Motor Supply Cable with two Control Pairs and UL/TC-ER/WTTC/CE Approvals



Application

- Shielded multi-conductor cable for VFD, Servo 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
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc and Silicone free

Technical Data

Voltage	600V UL TC 1000V Flexible VFD Servo Cable 90C 1000V WTTC
Temperature	-40°C - +90°C static
Minimum bending radius	6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Oil resistance	Oil res II
Approvals	UL Type "Flexible Motor Supply Cable (Flexible VFD Servo Cable)" UL Type TC-ER UL/AWM/CE UL DP-1 WTTC Class 1, Div. 2 per NEC Art. 336, 392, 501 C(UL) TC CIC FT4 UL 1277 Wet/Dry P-07-KA130021-MSHA RoHS REACH

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- XLPE insulation, Wet/Dry (4C RHW-2, 2 Pairs XHHW-2)
- Shielded with foil tape, tinned copper braid with ≥ 80% optical coverage, and drain wire
- Oil resistant PVC jacket
- Black jacket RAL 9005

Specifications are subject to change without prior notice



WITH TWO SHIELDED CONTROL PAIRS

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
A2181604	AWG16/04C (26/30)+ 2 TSP AWG18 (19/30)	17.8	0.699	278	113
A2181404	AWG14/04C (41/30)+ 2 TSP AWG16 (26/30)	19.3	0.760	330	149
A2181204	AWG12/04C (65/30)+ 2 TSP AWG16 (26/30)	20.2	0.795	388	187
A2181004	AWG10/04C (105/30)+ 2 TSP AWG14 (41/30)	23.6	0.930	553	261
A2180804	AWG8/04C (168/30)+ 2 TSP AWG14 (41/30)	27.7	1.090	785	364

**TSP = Twisted
Shielded Pair**