

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

Flexible Composite VFD, Servo & Motor Supply Cable with one Control Pair and UL/TC-ER/WTTC/CSA/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

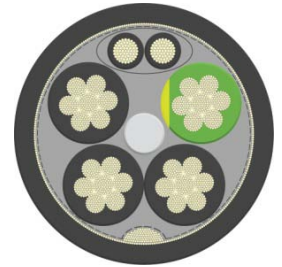
- Flexible XLPE conductor design
- Non-wicking fillers
- Effective dual layer shield for EMC compliance
- Specially formulated jacket for oil resistance and easy strip design
- Low capacitance cable
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc free and silicone free

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 UL 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 RoHS, REACH

Construction

- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- XLPE insulation, Wet/Dry (4C RHW-2, 1 Pair XHHW-2)
- Shielded with foil tape, tinned copper braid with ≥80% optical coverage, and drain wire
- Flexible, oil resistant black PVC jacket



WITH ONE SHIELDED CONTROL PAIR

Part No.	Description No. of conductors incl. ground	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
A2171604	AWG 16 (26/30) 1 TSP AWG18 (19/30) 4 + 1 pair	15.7	0.620	228	90
A2171404	AWG 14 (41/30) 1 TSP AWG16 (26/30) 4 + 1 pair	16.8	0.650	265	117
A2171204	AWG 12 (65/30) 1 TSP AWG16 (26/30) 4 + 1 pair	18.3	0.720	335	160
A2171004	AWG 10 (105/30) 1 TSP AWG14 (41/30) 4 + 1 pair	20.6	0.810	420	218
A2170804	AWG 8 (168/30) 1 TSP AWG14 (41/30) 4 + 1 pair	26.0	1.025	713	321
A2170604	AWG 6 (266/30) 1 TSP AWG14 (41/30) 4 + 1 pair	27.8	1.095	873	453
A2170404	AWG 4 (413/30) 1 TSP AWG14 (41/30) 4 + 1 pair	31.0	1.220	1,142	651
A2170204	AWG 2 (665/30) 1 TSP AWG14 (41/30) 4 + 1 pair	35.3	1.390	1,579	1,010

Specifications are subject to change without prior notice