

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

Flexible Composite VFD, Servo & Motor Supply Cable with two Control Pairs 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

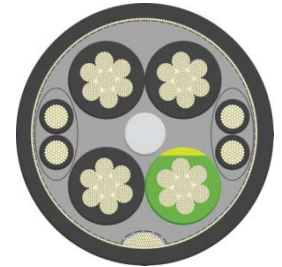
- Flexible XLPE conductor design
- Non-wicking fillers
- Effective dual layer shield for EMC compliance
- Specially formulated jacket for oil resistance and easy strip design
- Low capacitance cable
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc free and silicone free

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, 2 Pairs XHHW-2)
- Shielded with foil tape, tinned copper braid with ≥80% optical coverage, and drain wire
- Flexible, oil resistant black PVC jacket



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 | AWG 16 (26/30) 2 TSP AWG18 (19/30) | 17.8 | 0.699 | 278 | 113 |
| | 4 + 2 pairs | | | | |
| A2181404 | AWG 14 (41/30) 2 TSP AWG16 (26/30) | 19.3 | 0.760 | 330 | 149 |
| | 4 + 2 pairs | | | | |
| A2181204 | AWG 12 (65/30) 2 TSP AWG16 (26/30) | 20.2 | 0.795 | 388 | 187 |
| | 4 + 2 pairs | | | | |
| A2181004 | AWG 10 (105/30) 2 TSP AWG14 (41/30) | 23.6 | 0.930 | 553 | 261 |
| | 4 + 2 pairs | | | | |
| A2180804 | AWG 8 (168/30) 2 TSP AWG14 (41/30) | 27.7 | 1.090 | 785 | 364 |
| | 4 + 2 pairs | | | | |