

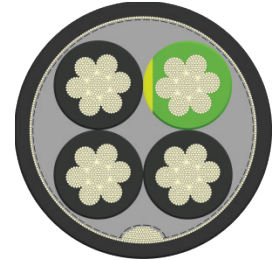
# Lutze DRIVEFLEX® XLPE (C) PVC, Shielded

## Flexible VFD & Motor Supply Cable with UL/TC-ER/WTTC/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 and Silicone free

### Technical Data

|                   |  |
|-------------------|--|
| Voltage           | 600V UL TC<br>1000V Flexible VFD Servo Cable<br>90C<br>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   |
| Oil resistance    | Oil Res II   |
| Approvals         | UL Type "Flexible Motor Supply Cable (Flexible VFD Servo Cable)"<br>UL Type TC-ER<br>UL/AWM/CE<br>UL DP-1<br>WTTC<br>Class 1, Div. 2 per NEC<br>Art. 336, 392, 501<br>C(UL) TC<br>CIC FT4<br>UL 1277<br>Wet/Dry<br>P-07-KA130021-MSHA<br>RoHS<br>REACH |

| Part No.        | Description<br>No. of conductors<br>incl. ground | OD / Ø<br>ca. mm | OD / Ø<br>inches | Weight<br>Lbs/Mft | Copper<br>Lbs/Mft |
|-----------------|--|------------------|------------------|-------------------|-------------------|
| <b>A2161604</b> | <b>AWG 16 (26/30)</b><br>AWG16/04C               | 12.4             | 0.490            | 149               | 57                |
| <b>A2161404</b> | <b>AWG 14 (41/30)</b><br>AWG14/04C               | 14.2             | 0.560            | 200               | 80                |
| <b>A2161204</b> | <b>AWG 12 (65/30)</b><br>AWG12/04C               | 15.6             | 0.615            | 262               | 128               |
| <b>A2161004</b> | <b>AWG 10 (105/30)</b><br>AWG10/04C              | 17.8             | 0.700            | 359               | 186               |
| <b>A2160804</b> | <b>AWG 8 (168/30)</b><br>AWG8/04C                | 23.5             | 0.925            | 603               | 295               |
| <b>A2160604</b> | <b>AWG 6 (266/30)</b><br>AWG6/04C                | 25.7             | 1.010            | 763               | 425               |
| <b>A2160404</b> | <b>AWG 4 (413/30)</b><br>AWG4/04C                | 29.3             | 1.155            | 1,126             | 632               |
| <b>A2160204</b> | <b>AWG 2 (665/30)</b><br>AWG2/04C                | 33.7             | 1.325            | 1,559             | 997               |

### Construction

- AWG conductor
- 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
- Oil resistant PVC jacket
- Black jacket RAL 9005

Specifications are subject to change without prior notice