

# LUTZE DRIVEFLEX® CONTROL TSP XLPE (C) PVC, Shielded

## Twisted Shielded Pair Cable for Control Signals with UL/TC-ER/WTTC/CE Approvals



### Application

- Twisted shielded pair cable for VFD & Motor applications to transmit control signals from drives to motors
- Cable design for harsh industrial environments and operating conditions with high noise levels
- XLPE insulation with low capacitance
- **TC-ER** for use with cable trays **without conduit and alongside power cables**
- Separating control from power allows full ampacity rating of the power cable
- Compliant with **NFPA 79** for wiring of industrial machinery
- 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
- Talc and Silicone free

### Technical Data

Voltage	600V UL TC-ER 1000V Flexible VFD Servo Cable 1000V WTTC, 1000V 105C AWM
Temperature	-40°C - +90°C static
Bending radius	6 x cable OD
Conductor marking	Black with white number print
Oil resistance	Oil Res II
Approvals	UL Type "Flexible Motor Supply Cable (Flexible VFD Servo Cable)" UL Type TC-ER UL/CE WTTC Class I, II Div. 2 per NEC Art. 336, 392, 501, 502 AWM 20886 c(UL) TC CIC FT4 UL 1277 Wet/Dry RoHS REACH

### Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- XLPE insulation XHHW-2, Wet/Dry
- Each pair shielded with foil tape, drain wire, tinned copper braid (≥ 80% optical coverage), then wrapped in clear foil
- Oil resistant PVC jacket
- Black jacket RAL 9005

Specifications are subject to change without prior notice

Part No.	Description No. of pairs	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG 18 (16/30)</b>					
<b>A2441802</b>	AWG18/1TSP	8.7	0.344	77	29
<b>A2441804</b>	AWG18/2TSP	14.0	0.550	164	58
<b>AWG 16 (26/30)</b>					
<b>A2441602</b>	AWG16/1TSP	9.4	0.370	88	36
<b>A2441604</b>	AWG16/2TSP	15.5	0.610	189	73
<b>AWG 14 (41/30)</b>					
<b>A2441402</b>	AWG14/1TSP	10.2	0.400	108	51
<b>A2441404</b>	AWG14/2TSP	16.6	0.655	237	102

"TSP cable for motor control or brake application. 1000V rating allows installation alongside VFD cable. Separate jacketed pairs eliminate derating otherwise required for composite power cables per NEC 310.15(B)(3)(a)".

