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

Twisted Shielded Pair Cable for Control Signals for Stationary Applications

Application

- Easily add control pairs to any VFD circuit
- Twisted shielded pair cable for VFD & motor applications to transmit control signals from drives to motors
- Separating control from power allows full ampacity rating of the power cable
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Thermoset XLPE insulation offering superior overload and short-circuit temperature
- Compliant with NFPA 79 requirements
- TC-ER for use with cable trays without conduit and alongside power tray cables
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

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

Characteristics

- Flexible XLPE conductor design
- High insulation resistance
- Low capacitance cable
- Effective dual layer shield for EMC compliance
- Oil resistant jacket designed for easy stripping
- Non-wicking fillers
- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Sunlight resistant
- Flame retardant
- Direct burial
- Talc and silicone free

Technical Data

Voltage	600V 90C TC-ER 1000V 90C Flexible VFD Servo Cable 1000V 90C WTTC
Temperature range	-40°C - +90°C static
Bending radius min	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, WTTC Meets NEC 336, 392 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 c(UL) TC, CIC FT4 UL 1277 RoHS, REACH

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- Thermoset XLPE insulation type 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 similar to RAL 9005

Specifications are subject to change without prior notice

"1000V rated control pair(s) for installation alongside VFD cable. Separating control pairs from the power conductors eliminates ampacity derating otherwise required for composite power cables per 2020 NEC 310.15(C)(1)".