

LUTZE DRIVEFLEX® XLPE (C) 2 TSP PVC, Shielded

Flexible Composite VFD Cable with two Control Pairs for Stationary Applications



Application

- Dual-shielded motor supply cable to connect power to 3-phase motors, VFDs and servo drives
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Thermoset XLPE insulation offering superior overload and short-circuit temperature
- Increased wall thickness insulation type RHW-2, offering lower capacitance and higher impedance making it ideal for applications with high voltage spikes and long cable runs
- Compliant with NFPA 79 requirements
- TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

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-JP 1000V 90C Flexible VFD Servo Cable 1000V 90C WTTC 1000V 105C AWM
Temperature range	-40°C - +105°C static
Bending radius min	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, TC-ER-JP, WTTC, DP-1 Meets NEC 336, 392 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 AWM 20886 c(UL) TC, CIC FT4 UL 1277 P-07-KA130021-MSHA RoHS, REACH

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- Thermoset 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
- Oil resistant PVC jacket
- Black jacket similar to RAL 9005



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	AWG16/04C (26/30)+ 2 TSP AWG18 (19/30)	17.8	0.699	278	113
A2181404	AWG14/04C (41/30)+ 2 TSP AWG16 (26/30)	19.3	0.760	330	149
A2181204	AWG12/04C (65/30)+ 2 TSP AWG16 (26/30)	20.2	0.795	388	187
A2181004	AWG10/04C (105/30)+ 2 TSP AWG14 (41/30)	23.6	0.930	553	261
A2180804	AWG08/04C (168/30)+ 2 TSP AWG14 (41/30)	27.7	1.070	778	364

TSP = Twisted
Shielded Pair

"RHW-2 insulated VFD cable offering optimal capacitance and impedance values. Great for applications with long cable runs".
Meets NFPA 79, article 4.4.2.8.

