

LUTZE SILFLEX® M VFD XLPE (C) PVC, Shielded

Flexible VFD & Motor Supply Cable with Control Pair and UL/TC-ER/WTTC/CE Approvals



Application

- Shielded motor supply cable to connect power to 3-phase motors, VFD's and Servo Drives
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Thermoset XLPE type XHHW-2 insulation offering superior overload and short-circuit temperature
- Compliant with **NFPA 79** for wiring of industrial machinery
- **TC-ER** for use with cable trays **without conduit**, which can reduce installation costs in industrial environments per NEC 336.10 (7)
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

Characteristics

- Flexible XLPE conductor design
- Reduced cable OD's
- High insulation resistance
- Low capacitance cable
- Effective dual layer shield for EMC compliance
- Specially formulated jacket for oil resistance and easy strip design
- Sunlight resistant
- Direct burial
- Talc and Silicone free

Technical Data

Voltage	600V UL TC-ER 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
Oil resistance	Oil Res II
Approvals	UL Type "Flexible Motor Supply Cable (Flexible VFD Servo Cable)" UL Type TC-ER, WTTC UL DP-1, Class 1, Div. 2 per NEC Art. 336, 392, 501 C(UL) TC, UL 1277 CIC FT4 Wet/Dry use 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
- Fillers for optimal roundness
- 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

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG18 (19/30)					
A1071804	AWG18/04C (19/30)+ 1 TSP AWG18 (19/30)	13.3	0.525	156	66
AWG16 (26/30)					
A1071604	AWG16/04C (26/30)+ 1 TSP AWG18 (19/30)	13.9	0.548	179	79
AWG14 (14/30)					
A1071404	AWG14/04C (41/30)+ 1 TSP AWG16 (26/30)	15.2	0.6	234	112
AWG12 (65/30)					
A1071204	AWG12/04C (65/30)+ 1 TSP AWG16 (26/30)	16.5	0.65	285	154
AWG10 (105/30)					
A1071004	AWG10/04C (105/30)+ 1 TSP AWG14 (41/30)	18.8	0.74	378	216
AWG 8 (168/30)					
A1070804	AWG8/04C (168/30)+ 1 TSP AWG14 (41/30)	24.0	0.945	605	314