

LUTZE DRIVEFLEX® XLPE (C) PVC, Shielded

Flexible VFD Cable XHHW-2 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
- Type XHHW-2 insulation offering smaller ODs for general VFD applications
- 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
- Reduced cable ODs
- 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, 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 Submersible Pump (≥ AWG14) 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
- Shielded with foil tape, tinned copper braid with 80% optical coverage, and drain wire
- Oil resistant PVC jacket
- Black jacket similar to 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
A1061804	AWG18/04C (19/30)	10.5	0.415	108	42
A1061604	AWG16/04C (26/30)	10.8	0.425	124	54
A1061404	AWG14/04C (41/30)	11.6	0.456	154	76
A1061204	AWG12/04C (65/30)	13.0	0.51	208	118
A1061004	AWG10/04C (105/30)	16.5	0.650	320	183
A1060804	AWG8/04C (168/30)	20.6	0.81	478	279

“Small diameter general purpose VFD cable for applications with space restrictions such as conduit installations”.
Meets NFPA 79, article 4.4.2.8.

