

LUTZE DRIVEFLEX® XLPE (C) Symmetrical, Shielded

Flexible VFD Cable with 3 Symmetrical Grounds for Stationary Applications



Application

- Dual-shielded motor supply cable to connect power to 3-phase motors, VFDs and servo drives
- Three insulated symmetrical ground design helps to reduce stray currents
- 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 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

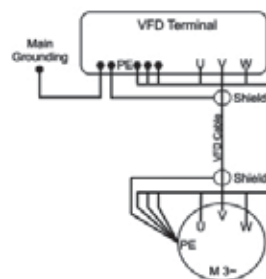
- Flexible XLPE conductors
- Three symmetrical, insulated grounds (PEs)
- High insulation resistance
- Low capacitance cable
- Effective dual layer shield for EMC compliance
- Oil resistant jacket designed for easy stripping
- Non-wicking fillers
- Crush impact resistant
- Gas/vapor-tight sheath per 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	7.5 x cable OD fixed
Conductor marking	Black with white numbers and three green/yellow ground
Oil resistance	Oil Res II
Approvals	UL Type Flexible Motor Supply Cable, Flexible VFD Servo Cable up to 4/0 Meets NEC 336, 392 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 UL Types WTTC, TC-ER c(UL) TC, CIC FT4, CE UL 1277, UL 2277 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 XHHW-2 (3C Power + 3C Grounds/PEs)
- 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 THREE SYMMETRICAL GROUNDS (3 Power + 3 Protective Earth Grounds)

Part No.	Description Power Ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
A2200603	AWG6/03C (266 strands)+ AWG12/03C (50 strands)	23.9	0.941	677	432
A2200403	AWG4/03C (420 strands)+ AWG12/03C (50 strands)	26.4	1.039	872	586
A2200203	AWG2/03C (672 strands)+ AWG10/03C (80 strands)	29.3	1.155	1,230	875
A2200103	AWG1/03C (840 strands)+ AWG8/03C (128 strands)	35.2	1.385	1,600	1,121
A2201/003	1/0/03C (1064 strands)+ AWG8/03C (128 strands)	37.1	1.462	1,850	1,348
A2202/003	2/0/03C (1344 strands)+ AWG8/03C (128 strands)	39.1	1.540	2,187	1,620
A2203/003	3/0/03C (1664 strands)+ AWG6/03C (206 strands)	41.4	1.630	2,705	2,059
A2204/003	4/0/03C (2052 strands)+ AWG6/03C (206 strands)	47.8	1.880	3,336	2,461
A22025003	250MCM/03C* (2432 strands)+ AWG6/03C (206 strands)	51.6	2.032	3,815	2,851
A22035003	350MCM/03C* (3458 strands)+ AWG4/03C (322 strands)	59.4	2.340	5,153	3,993
A22050003	500MCM/03C* (4864 strands)+ AWG4/03C (322 strands)	65.8	2.589	6,803	5,397

*1000V WTTC, 600V TC-ER only

“Three symmetrical grounds design can help to reduce shaft voltage and bearing currents. This design is recommended for larger motors 40HP and up”.
Meets NFPA 79, article 4.4.2.8.



Specifications are subject to change without prior notice

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