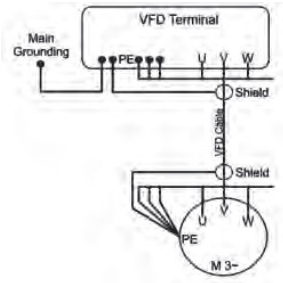
LUTZE DRIVEFLEX® XLPE (C) Symmetrical, Shielded

Flexible VFD Cable with 3 Symmetrical Grounds for Stationary Applications

ECOLAB c UL us CE

DRIVEFLEX® Low Capacitance ✓ RoHS ✓



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 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
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
- 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
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), CIC FT4, CE UL 1277, UL 2277 P-07-KA130021-MSHA CE, RoHS, REACH, TSCA

Construction
- AWG conductor
- Class K 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.