

LUTZE DRIVEFLEX® XLPE (C) 2kV Symmetrical, Shielded

Flexible VFD Cable 2kV RHW-2 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
- 2kV cable design for the most demanding VFD applications
- 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 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

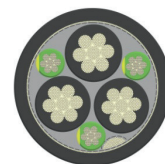
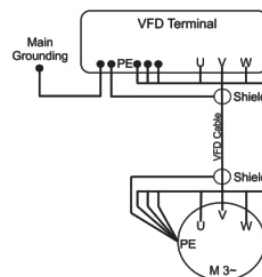
- Flexible XLPE conductors
- Three symmetrical, insulated grounds (PEs)
- High insulation resistance
- Low capacitance cable
- Effective dual layer shield for EMC compliance
- Oil resistant jacket designed for easy stripping
- Non-wicking fillers
- Ecolab certified resistance to common cleaning agents 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	2000V 90C TC-ER 2000V 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 RHW-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
A2190603	AWG6/03C (266 strands)+ AWG12/03C (50 strands)	26.3	1.035	804	422
A2190403	AWG4/03C (420 strands)+ AWG12/03C (50 strands)	28.7	1.129	943	593
A2190203	AWG2/03C (672 strands)+ AWG10/03C (80 strands)	31.5	1.240	1,294	880
A2190103	AWG1/03C (840 strands)+ AWG8/03C (128 strands)	37.1	1.460	1,676	1,125
A2191/003	1/0/03C (1064 strands)+ AWG8/03C (128 strands)	39.4	1.551	1,957	1,355
A2192/003	2/0/03C (1344 strands)+ AWG8/03C (128 strands)	42.4	1.669	2,294	1,628
A2193/003	3/0/03C (1664 strands)+ AWG6/03C (206 strands)	43.7	1.720	2,800	2,065
A2194/003	4/0/03C (2052 strands)+ AWG6/03C (206 strands)	49.8	1.960	3,423	2,465
A21925003	250MCM/03C* (2432 strands)+ AWG6/03C (206 strands)	54.9	2.161	3,997	2,862
A21935003	350MCM/03C* (3458 strands)+ AWG4/03C (322 strands)	60.7	2.389	5,310	4,002
A21950003	500MCM/03C* (4864 strands)+ AWG4/03C (322 strands)	67.6	2.661	6,928	5,402
A21975003	750MCM/03C* (7372 strands)+ AWG2/03C (672 strands)	79.5	3.129	10,366	8,122

*1000V WTTC, 2000V TC-ER only

2000V 90C Flexible VFD Servo Cable for the most demanding VFD applications requiring optimal cable performance with lowest capacitance and highest impedance.



Specifications are subject to change without prior notice