

ÖLFLEX® VFD 2XL SYMMETRICAL

Symmetrical 2kV Motor Supply Cable for Large HP VFD Drives; UL & c(UL) TC Approval



ÖLFLEX® VFD 2XL SYMMETRICAL is a robust oil- & UV-resistant large AWG 2kV VFD cable designed with three symmetrical grounds and a helical copper tape shield.

Recommended Applications

VFD drive & motor connections for large HP applications; pumps; compressors; conveyors; elevators; extruders; HVAC; large presses; any on/off, slow down/speed up applications using VFD drives & motors

Approvals



Cable Attributes			
OIL	OR-03	FLAME	FR-03
MOTION	FL-01	MECH.	MP-03

Complete the Installation	
SKINTOP® MS-M BRUSH	EPIC® ULTRA HB

Construction

- Conductors:** Bare stranded copper
- Insulation:** XLPE (plus) + 3 bare stranded copper grounds
- Shielding:** Helical copper tape (100% coverage)
- Jacket:** Specially formulated thermoplastic elastomer (TPE); black

Application Advantage

- 100% copper tape shield for EMI & RFI protection
- Low capacitance design
- UL TC-ER & c(UL) CIC/TC approved (CIC/TC approval depending on AWG)
- 3 ground design for optimal electrical performance
- Industrial grade phthalate-free jacket designed for harsh environments
- Flexible for easier routing

Technical Data

Minimum Bend Radius:	15 x cable diameter	Conductor Stranding:	Class B stranded wire
Temperature Range:	-25°C to +90°C	Color Code:	Black with white numbers: 1, 2, 3, plus 3 bare symmetrical grounds
	- for stationary use: -40°C to +105°C	Approvals:	UL: TC-ER per UL 1277 WTTTC per UL 2277
	- for flexible use: -25°C to +105°C		Attributes: UL Oil Res I/II 90°C Wet or Dry -40°C Cold Bend; -25°C Cold Impact Sunlight Resistant Direct Burial NFPA 79
Nominal Voltage:	600/2000V		NEC: Class 1 Division 2 per NEC Article 501
	- UL TC: 1000V		Canada: c(UL) CIC/TC FT4 (1 – 4/0 AWG only)
	- UL WTTTC: 1000V		cRU AWM I/II A/B FT4
	- UL Flexible Motor Supply: 1000V		Additional: CE (50V – 1kV) & RoHS
	- c(UL) CIC/TC: 600V		
	- cRU AWM: 1000V		
Test Voltage:	6000V		

Part Number	3 Symmetrical Grounds	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-M BRUSH Metric Thread
1 AWG (42.4 mm²)						
700720	8 AWG	1.240	31.5	1024	1427	53112679
1/0 AWG (53.7 mm²)						
700721	6 AWG	1.330	33.8	1332	1836	53112679
2/0 AWG (67.5 mm²)						
700722	6 AWG	1.420	36.1	1592	2137	53112680
3/0 AWG (85.1 mm²)						
700723	5 AWG	1.530	38.9	1995	2609	53112680
4/0 AWG (107.2 mm²)						
700724	4 AWG	1.650	41.9	2485	3254	53112680
250 KCMIL (126.7 mm²)						
700725	2 AWG	1.880	47.8	3099	3988	53112681
350 KCMIL (177.6 mm²)						
700726	2 AWG	2.100	53.3	4051	5106	53112681
500 KCMIL (253.7 mm²)						
700727	1 AWG	2.380	60.5	5641	6886	53112681

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question. For current information go to our website.