

ÖLFLEX® VFD 2XL SYMMETRICAL

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

LAPP KABEL STUTTGART ÖLFLEX® VFD SYMMETRICAL



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



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

Cable Attributes		page 640	
OIL	OR-03	FLAME	FR-03
MOTION	FL-01	MECH.	MP-03

Complete the Installation	
SKINTOP® MS-M BRUSH page 518	EPIC® ULTRA HB page 397

Technical Data

Minimum Bend Radius:	15 x cable diameter	Conductor Stranding:	Class B stranded wire
Temperature Range:	- UL/CSA TC: -25°C to +90°C - for stationary use: -40°C to +105°C - for flexible use: -25°C to +105°C	Color Code:	Black with white numbers: 1, 2, 3, plus 3 bare symmetrical grounds
Nominal Voltage:	- UL TC: 600/2000V - UL WTTC: 1000V - UL Flexible Motor Supply: 1000V - c(UL) CIC/TC: 600V - cRU AWM: 1000V	Approvals:	UL: TC-ER per UL 1277 WTTC per UL 2277 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 NEC: Class 1 Division 2 per NEC Article 501 Canada: c(UL) CIC/TC FT4 (1-4/0 AWG only) cRU AWM I/II A/B FT4 Additional: CE (50V-1kV) & RoHS
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	1.328	33.7	1024	1427	53112679
1/0 AWG (53.7 mm²)						
700721	6 AWG	1.396	35.5	1332	1836	53112680
2/0 AWG (67.5 mm²)						
700722	6 AWG	1.502	38.2	1592	2137	53112680
3/0 AWG (85.1 mm²)						
700723	5 AWG	1.616	41.0	1995	2609	53112680
4/0 AWG (107.2 mm²)						
700724	4 AWG	1.801	45.7	2485	3254	53112681
250 KCMIL (126.7 mm²)						
700725	2 AWG	1.996	50.7	3099	3988	53112681
350 KCMIL (177.6 mm²)						
700726	2 AWG	2.229	56.6	4051	5106	53112501
500 KCMIL (253.7 mm²)						
700727	1 AWG	2.468	62.7	5641	6886	53112500

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.