

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. It is resistant to a wide range of disinfecting solutions used in the food, beverage, chemical and related industries.

Recommended applications

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

Approvals



Cable attributes		page 648	Complete the installation	
OIL	OR-03	FLAME	FR-03	SKINTOP® MS-M BRUSH page 524
MOTION	FL-01	MECH.	MP-03	

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
- Resistant to a wide range of disinfecting solutions used in the food, beverage, chemical and related industries, according to ECOLAB® PM 40-1 test procedure

Technical data

Minimum bend radius:	15 x cable diameter	Conductor stranding:	Class B stranded wire
Temperature range:		Color code:	black with white numbers: 1, 2, 3, plus 3 bare symmetrical grounds
	- UL/CSA TC: -25°C to +90°C	Approvals:	UL: TC-ER per UL 1277 WTTTC per UL 2277
	- for stationary use: -40°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
	- for flexible use: -25°C to +105°C		NEC: Class 1 Division 2 per NEC Article 501
Nominal voltage:			Canada: c(UL) CIC/TC FT4 (1-4/0 AWG only) cRU AWM I/II A/B FT4
	- UL TC: 600/2000V		Additional: CE (50V-1kV) & RoHS
	- UL WTTTC: 1000V		
	- UL Flexible Motor Supply: 1000V		
	- c(UL) CIC/TC: 600V		
	- cRU AWM: 1000V		
Test voltage:	6000V		

Part number	3 symmetrical grounds	Nominal outer diameter in	Nominal outer diameter 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

Part number	3 symmetrical grounds	Nominal outer diameter in	Nominal outer diameter mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-M BRUSH metric thread
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

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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.