ÖLFLEX® VFD 2XL

Flexible VFD Cable; 600V/1000V/2000V; UL & c(UL) TC Approval

ÖLFLEX® VFD 2XL is a robust oil- and UV-resistant shielded motor cable for VFD drives. The XLPE (plus) insulation with enhanced electrical properties can withstand twice the dielectric voltage test, provides extended performance, and is suitable for 2kV applications.

Recommended Applications

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

Approvals

Construction

Conductors: Finely stranded tinned copper

Insulation: XLPE (plus)

Shielding: Barrier tape; triple layer foil tape (100% coverage); tinned copper braid (85% coverage)

Jacket: Specially formulated thermoplastic elastomer (TPE); black

Application Advantage

- One cable for applications up to 2kV
- Low capacitance design
- Industrial grade phthalate-free jacket designed for harsh environments
- UL TC-ER & c(UL) CIC/TC approved
- Reduces space and weight in tray
- No conduit required due to TC-ER rating

Cable Attributes, page 16

OIL	FLAME	MOTION	MECHANICAL
OR-03	FR-03	FL-01	MP-03

Similar Cables

- ÖLFLEX® VFD SLIM

Complete the Installation

SKINTOP® Strain Relief

SKINTOP® MS-M BRUSH

Technical Data

Minimum Bend Radius: 7.5 x cable diameter

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

Nominal Voltage:
- UL TC: 600V/2000V
- UL Flexible Motor Supply: 1000V
- c(UL) CIC/TC: 600V
- cRU AWM: 1000V

Test Voltage: 6000V

Conductor Stranding:
- 16 - 6 AWG: Class 5 fine wire
- 4 - 2 AWG: Class K fine wire

Color Code: Black with white numbers, plus green/yellow ground

Approvals:
- UL: TC-ER per UL 1277
- 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 2015
- NEC: Class 1 Division 2 per NEC Articles 336, 501
- Canada: c(UL) CIC/TC FT4, cRU AWM I/II A/B FT4
- Additional: CE (50V - 1kV) & RoHS

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in)	Nominal Outer Diameter (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread	SKINTOP® MS-M BRUSH Metric Thread
16 AWG (1.5 mm²)							
700700	4	0.509	12.9	70	160	53112240	53112676
14 AWG (2.5 mm²)							
700701	4	0.582	14.8	100	196	53112250	53112676
12 AWG (4 mm²)							
700702	4	0.656	16.7	144	258	53112250	53112677
10 AWG (6 mm²)							
700703	4	0.707	18.0	199	320	53112260	53112677
8 AWG (10 mm²)							
700704	4	0.887	22.5	298	575	53112260	53112678
6 AWG (13.5 mm²)							
700705	4	1.022	25.9	518	885	53112270	53112678
4 AWG (21 mm²)							
700706	4	1.158	29.4	642	1055	53112270	53112679
2 AWG (33.7 mm²)							
700707	4	1.332	33.8	980	1460	–	53112679

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