

ÖLFLEX® VFD XL

Precision Control VFD Cable; 600V/1000V; UL & c(UL) TC Approval



ÖLFLEX® VFD XL is a robust oil-resistant shielded motor cable for VFD drives. Due to the enhanced electrical properties of its XLPE insulation, ÖLFLEX® VFD XL provides problem-free performance where precision control is critical.

Recommended Applications

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

Approvals



Cable Attributes, see page 659

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

- ÖLFLEX® VFD SLIM

Use our Cable VFD Selection Guide, page 679

Complete the Installation

SKINTOP® Strain Relief: page 528	EPIC® Connectors: page 278
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Technical Data

Minimum Bend Radius:	7.5 x cable diameter	Color Code:	Black with white numbers, plus green/yellow ground
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	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 2015 NEC: Class 1 Division 2 per NEC Articles 336, 501 Canada: cUL CIC/TC FT4 Additional: CE & RoHS
Nominal Voltage:	- UL/CSA TC: 600V - UL WTTC: 1000V - UL Flexible Motor Supply: 1000V		
Test Voltage:	2000V		
Peak Voltage:	7500V		
Conductor Stranding:	- 16-8 AWG: Class 5 fine wire - 6-2 AWG: Class K fine wire		

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches)	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)							
731604	4	0.508	12.9	73	167	53112240	53112676
14 AWG (2.5 mm²)							
731404	4	0.581	14.8	100	214	53112250	53112676
12 AWG (4 mm²)							
731204	4	0.649	16.5	144	274	53112250	53112677
10 AWG (6 mm²)							
731004	4	0.700	17.8	203	361	53112260	53112677
8 AWG (10 mm²)							
730804	4	0.887	22.5	335	571	53112260	53112678
6 AWG (13.5 mm²)							
730604	4	1.022	25.9	518	885	53112270	53112678
4 AWG (21 mm²)							
730404	4	1.158	29.4	727	1136	53112270	53112679
2 AWG (33.7 mm²)							
730204	4	1.332	33.8	1045	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.