

# ÖLFLEX® FD VFD

Continuous Flex VFD Cable; 600V/1000V; UL & c(UL) TC-ER Approval



ÖLFLEX® FD VFD is a shielded continuous flex motor supply cable. It is designed with the Lapp Surge Guard insulation system, which includes a semiconductive layer made to withstand nonlinear power distortions associated with VFD drives in industrial applications.

## Recommended Applications

VFD drives and motor connections in continuous flex applications; plastic extrusion; any on/off, slow down/speed up applications

## Approvals



Cable Attributes		page 640	Complete the Installation	
OIL	OR-03	FLAME	FR-03	SKINTOP® MS-SC
MOTION	CF-02	MECH.	MP-03	EPIC® ULTRA HB
				page 516
				page 397

## Technical Data

<b>Minimum Bend Radius:</b>	- for flexible use: 5 x cable diameter - for continuous flexing: 7.5 x cable diameter	<b>Color Code:</b>	Black with white numbers, plus green/yellow ground
<b>Temperature Range:</b>	- for continuous flexing: -5°C to +90°C - for stationary use: -40°C to +105°C - UL/CSA: -25°C to +90°C	<b>Approvals:</b>	UL: TC-ER per UL 1277 MTW per UL 1063 WTTC per UL 2277 AWM 20886 Attributes: UL Oil Res I/II 75°C Wet; 90°C Dry -40°C Cold Bend; -25°C Cold Impact Sunlight Resistant Direct Burial NFPA 79 2015 NEC: Class 1 Division 2 per NEC Article 501 Canada: c(UL) CIC/TC FT4 CSA AWM I/II A/B 1000V FT4 Additional: CE & RoHS
<b>Nominal Voltage:</b>	- UL/CSA TC: 600V - UL WTTC: 1000V - UL Flexible Motor Supply: 1000V - UL/CSA AWM: 1000V		
<b>Test Voltage:</b>	2000V		
<b>Peak Voltage:</b>	7500V		
<b>Conductor Stranding:</b>	Class M fine wire		

Part Number	Number of Conductors	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
<b>14 AWG (2.5 mm<sup>2</sup>)</b>							
771404	4	0.500	12.7	84	133	53112240	53112676
<b>12 AWG (4 mm<sup>2</sup>)</b>							
771204	4	0.575	14.6	122	180	53112250	53112676
<b>10 AWG (6 mm<sup>2</sup>)</b>							
771004	4	0.690	17.5	180	271	53112260	53112677

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.