ÖLFLEX[®] FD VFD Continuous Flex VFD Cable; 600V/1000V; UL & c(UL) TC-ER Approval

LAPP KABEL STUTTGART ÖLFLEX® FD VFD

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

FP

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

Approvals

Construction

Conductors: Finely stranded bare copper

Insulation: Lapp Surge Guard insulation system

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

Jacket: Specially formulated thermoplastic polymer; black

Application Advantage

- · Continuous flex rated for cable chain applications
- · Double-shielded for extra protection
- UL TC-ER & c(UL) CIC/TC approval

Cable Attributes page 640 Complete the Installation Image: OIL OR-03 Image: Skintop and the stallation EPIC and the stallation Image: MOTION CF-02 Image: Skintop and the stallation EPIC and the stallation	(h)	EP 2015	C UL		CE	<u>RoHS</u>	7	
MS-SC ULTRA HB	Cable Attrib	outes		page 640		Complete	e the Installatio	on
		OR-03	🙆 FLAME	FR-03	(All states)			
	😁 мотіс	ON CF-02	🚫 месн.	MP-03			3. TO	

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

Conductor Stranding: Class M fine wire

Part Number	Number of Conductors	Nominal Out (in)	er Diameter (mm)	Copper Weight (Ibs/mft)	Approx. Weight (Ibs/mft)	SKINTOP [®] MS-SC PG Thread	SKINTOP® MS-M BRUSH Metric Thread
14 AWG (2.5 mm ²)							
771404	4	0.500	12.7	84	133	53112240	53112676
12 AWG (4 mm ²)							
771204	4	0.575	14.6	122	180	53112250	53112676
10 AWG (6 mm ²)							
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

