

OLFLEX® FD VFD

Continuous Flex VFD Cable with UL & CSA TC Approval



OLFLEX® FD VFD is a continuous flex shielded motor cable for VFD Drives. It is designed with “Lapp Surge Guard” semi-conductive material to hold up to nonlinear power distortions associated with VFD drives and has an elastomeric alloy jacket for industrial applications.

Recommended Applications:

VFD drive and motor connections in continuous flex applications, Machine tool, Plastic extrusion, any on/off applications using a VFD drive and motor










Application Advantage:

- Continuous Flex rated for cable track applications
- “Lapp Surge Guard” protection to eliminate cable failure due to electrical disturbances
- Industrial Grade & Chemical Resistant elastomeric alloy jacket passing Oil Res I & II
- Corona Inception Voltage is 2900 volts
- Double shielded for extra protection
- UL TC-ER & CSA TC approved







OLFLEX® FD VFD Construction:

Finely stranded bare copper conductors; specially formulated “Lapp Surge Guard” insulation; dry lubricant, barrier tape; 100% shielding with foil tape and tinned copper braid (70% coverage); specially formulated TPE black jacket.

OLFLEX® FD VFD (UL) TYPE TC-ER 90°C 600V c(UL) CIC/TC FT4 CSA AWM CE

Cable Attributes, See Page 653  Oil Resistance: OR-02  Motion Type: CF-01		 Flame Resistance: FR-03  Mechanical Properties: MP-03		Availability:  Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length.		Complete the installation with:  VFD Selection Guide: Page 685  SKINTOP® Strain Relief: Page 486		 EPIC® Connectors: Page 251  OLFLEX® Tubing: Page 546	
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Technical Data:

	Minimum Bending Radius - for flexible use: 5 x cable diameter - for continuous flexing: 7.5 x cable diameter		Color Code: Three black conductors with white numbers, plus green/yellow ground
	Temperature Range: -25°C to +105°C		Approvals: <ul style="list-style-type: none"> UL: - Type TC-ER, 90°C, - UL DP-1 90°C, UL-AWM 105°C, - UL Type MTW, NFPA 79 2007 - Oil Res I/II, Wet Rating 75°C - Class 1 Div. 2 per NEC Art. 336, 392, 501 CSA: - c(UL) CIC/TC FT4 - AWM I/II A/B FT4 Additional: - ICEA: T-24-380, Corona Test
	Nominal Voltage: 600V- TC (UL & CSA) 1000V- TC Wind Turbine (WTTC)		
	Conductor Stranding: Very Fine Wire, Class 6		

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	Nominal Outer Diameter mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	Approx. Weight kg/km	SKINTOP® MS-SCL (PG) Page 504	SKINTOP® MS-SC-M Brush (Metric) Page 506
14 AWG (105/34) 2.50 mm ² 771404	4	.500	12.7	78	133	198	53112340	53112677
12 AWG (168/34) 4 mm ² 771204	4	.575	14.6	121	180	268	53112350	53112677
10 AWG (259/34) 6 mm ² 771004	4	.690	17.5	173	271	403	53112350	53112677

* Additional sizes available upon request. Minimums may apply.