

OLFLEX® VFD Slim

Reduced Diameter VFD Cable with "Lapp Surge Guard"
UL & CSA TC Approval



OLFLEX® VFD Slim is a reduced, diameter 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. This special material smooths out the stranded copper and disperses increases in voltage caused by wave reflection, harmonics, in-rush current and spikes preventing conductor and cable failure.

Recommended Applications:

VFD drive and motor connections, Web presses, HVAC, Conveyors, any on/off applications using a VFD drive and motor

Application Advantage:

- "Lapp Surge Guard" protection to eliminate cable failure due to electrical disturbances
- Industrial Grade PVC jacket passing Oil Res I
- UL TC-ER & c(UL)CIC/TC approved
- Corona Inception Voltage is 2900 volts
- Double shielded for extra protection
- Conforms to NFPA 79 2007 Wiring

OLFLEX® VFD Slim Construction:

Finely stranded tinned copper conductors; specially formulated "Lapp Surge Guard" insulation; barrier tape; 100% shielding with foil tape and tinned copper braid (85% coverage); specially formulated PVC black jacket.

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

Cable Attributes, See Page 653



Oil Resistance:
OR-02



Flame
Resistance:
FR-03



Motion Type:
FL-01



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



EPIC®
Connectors:
Page 251



SKINTOP®
MS-SCL:
Page 504



SKINTOP®
BRUSH:
Page 506

Technical Data:

	Minimum Bending Radius for flexible use:	7.5 x cable diameter		Approvals:	UL:	- Type TC-ER - UL Type MTW, NFPA 79 2007 - Wet Rating 75°C, Oil Res I - DP-1 90°C, UL-AWM 90°C - Class 1 Div. 2 per NEC Art. 336, 392, 501 - Sunlight resistant and direct burial - Submersible Pump (14 AWG or Larger)
	Temperature Range:	-25°C to +90°C			CSA:	- c(UL) CIC/TC FT4 - AWM I/II A/B FT4
	Nominal Voltage:	600V - TC (UL & CSA) 1000V - TC Wind Turbine (WTTC)			Additional:	- MSHA: P-07-KA050013-MSHA - ICEA-T-24-380, Corona test
	Conductor Stranding:	Class K Stranding				
	Color Code:	Three black conductors with white numbers, plus green/yellow ground				

* Please note: 16 AWG has a drain wire.

Part Number	Number of Conductors includes ground	Conductor Diameter inches mm	Nominal Outer Diameter inches mm	Copper Weight lbs/ft	Approx. Weight lbs/ft kg/km	SKINTOP® MS-SCL (PG) Page 504	SKINTOP® MS-SC-M Brush (Metric) Page 506
18 AWG (19/30) 1.00 mm ²							
761804	4	.104 2.6	.394 10.0	52	111 165	53112330	
16 AWG (26/30) 1.32 mm ²							
761604	4	.117 3.0	.456 11.6	61	125 186	53112340	53112676
14 AWG (41/30) 2.08 mm ²							
761404	4	.134 3.4	.497 12.6	86	133 198	53112340	53112676
12 AWG (65/30) 3.30 mm ²							
761204	4	.158 4.0	.555 14.1	119	180 268	53112350	53112676
10 AWG (105/30) 5.32 mm ²							
761004	4	.200 5.1	.677 17.2	178	271 403	53112350	53112677
8 AWG (168/30) 8.52 mm ²							
760804	4	.276 7.0	.879 22.3	290	450 670	53112360	53112678
6 AWG (266/30) 13.5 mm ²							
760604	4	.320 8.1	.994 25.2	429	617 918	-	53112678
4 AWG (413/30) 21.0 mm ²							
760404	4	.400 10.2	1.186 30.1	600	917 1365	-	53112679
2 AWG (665/30) 33.7 mm ²							
760204	4	.472 11.9	1.394 35.4	985	1339 1992	-	53112680