

OLFLEX® VFD with Signal

Flexible VFD Cable with a Pair for Brake or Temperature Sensor



OLFLEX® VFD with Signal is an extremely oil resistant, UV resistant shielded motor cable for VFD Drives. It has an additional shielded pair for VFD drives with a brake or temperature sensor. OLFLEX® VFD with Signal is designed with “Lapp Surge Guard” to smooth out the stranded copper and disperse increases in voltage and has an elastomeric alloy jacket for industrial applications.

Recommended Applications:

VFD drive and motor connections with temperature sensors or brake mechanisms, Web presses, HVAC, 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 & Chemical Resistant elastomeric alloy jacket passing Oil Res I, II
- Shielded pair for brake or temperature sensor
- Corona Inception Voltage is 2900 volts
- Double shielded for extra protection
- UL TC-ER & c(UL)CIC/TC approved

OLFLEX® VFD with Signal Construction:

Finely stranded tinned copper conductors; specially formulated “Lapp Surge Guard” insulation; pair is specially blended PVC with a foil & tinned copper braid; barrier tape; 85% shielding with a foil tape and tinned copper braid (70% coverage), specially formulated oil and chemical resistant elastomeric alloy black jacket.

OLFLEX® VFD W/ SIGNAL (UL) TC-ER 90°C 600V c(UL) CIC/TC FT4 600V CE MSHA RoHS



Cable Attributes, See Page 653

	Oil Resistance: OR-03		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® BRUSH: Page 506		SKINTOP® MS-SCL: Page 504

Technical Data:

	Minimum Bending Radius for flexible use:	10 x cable diameter		Color Code:	Three black conductors with white numbers, plus green/yellow ground, and one black pair with white numbers
	Temperature Range:	-25°C to +105°C		Approvals:	UL: <ul style="list-style-type: none"> - Type TC-ER, 90°C, - UL Type MTW, NFPA 79 2007 - Wet Rating 75°C, Oil Res I/II - UL DP-1 90°C, UL-AWM 105°C, - Class 1 Div. 2 per NEC Art. 336, 392, 501 CSA: <ul style="list-style-type: none"> - c(UL) CIC/TC FT4 - AWM I/II A/B FT4 Additional: <ul style="list-style-type: none"> - MSHA: P-07-KA050011-MSHA - ICEA: T-24-380, Corona Test
	Nominal Voltage:	600V- TC 1000V- TC Wind Turbine (WTTC)			
	Test Voltage:	7500V			
	Conductor Stranding:	Fine Wire			

Part Number	Description	Number of Conductors includes ground	1 pair for signal shielded	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
16 AWG (26/30) 1.50 mm ²										
7416048	16/4c + 18/2c	4	+	18 AWG (19/30)	.515	13.1	80	176	262	53112340 53112677
14 AWG (41/30) 2.50 mm ²										
7414048	14/4c + 18/2c	4	+	18 AWG (19/30)	.556	14.1	105	250	372	53112350 53112677
7414044	14/4c + 14/2c	4	+	14 AWG (41/30)	.581	14.8	122	270	402	53112350 53112677
12 AWG (65/30) 4 mm ²										
7412048	12/4c + 18/2c	4	+	18 AWG (19/30)	.610	15.5	165	294	438	53112350 53112677
7412044	12/4c + 14/2c	4	+	14 AWG (41/30)	.632	16.1	182	314	467	53112350 53112677
10 AWG (105/30) 6 mm ²										
7410044	10/4c + 14/2c	4	+	14 AWG (41/30)	.724	18.4	232	474	705	53112360 53112677
8 AWG (168/30) 10 mm ²										
7408044	8/4c + 14/2c	4	+	14 AWG (41/30)	.953	24.2	341	607	903	53112360 53112678
6 AWG (266/30) 16 mm ²										
7406044	6/4c + 14/2c	4	+	14 AWG (41/30)	1.082	27.5	503	848	1262	- 53112678
4 AWG (413/30) 25 mm ²										
7404044	4/4c + 14/2c	4	+	14 AWG (41/30)	1.322	33.6	673	1251	1862	- 53112679