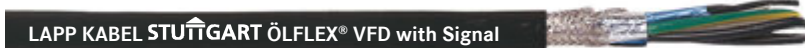


ÖLFLEX® VFD with Signal

Flexible VFD Cable with a Control Pair; 600V/1000V; UL & c(UL) TC-ER Approval



ÖLFLEX® VFD with Signal is an extremely oil- and UV-resistant shielded motor power cable for VFD drives, with an additional pair for brake or temperature sensor. It is designed with Lapp Surge Guard insulation, which includes a semiconductive layer made to withstand nonlinear power distortions associated with VFD drives and to disperse increases in voltage.

Recommended Applications

VFD drive and motor connections with temperature sensors or brake mechanisms; web presses; HVAC; any on/off, slow down/speed up applications

Approvals



Construction

Conductors: Finely stranded tinned 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

- Lapp Surge Guard insulation system
- UL TC-ER & c(UL) CIC TC approved
- Double-shielded for extra protection
- Contains pair for brake or temperature sensor

Cable Attributes		page 640	
OIL	OR-03	FLAME	FR-03
MOTION	FL-01	MECH.	MP-03

Complete the Installation	
SKINTOP® MS-SC page 516	EPIC® ULTRA HB page 397

Technical Data

Minimum Bend Radius:	7.5 x cable diameter	Color Code:	Black with white numbers, plus green/yellow ground and one black pair with white numbers
Temperature Range:	-25°C to +90°C - for stationary use: -40°C to +105°C - for flexible use: -25°C to +105°C	Approvals:	UL: TC-ER per UL 1277 MTW per UL 1063 WTTTC 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 NFPA 79 NEC: Class 1 Division 2 per NEC Article 501 Canada: c(UL) CIC/TC FT4 CSA AWM I/II A/B 1000V FT4 Additional: MSHA P-07-KA050011-MSHA CE & RoHS
Nominal Voltage:	- UL/CSA TC: 600V - UL WTTTC: 1000V - UL Flexible Motor Supply: 1000V - UL/CSA AWM: 1000V		
Test Voltage:	2000V		
Peak Voltage:	7500V		
Conductor Stranding:	- 16-6 AWG: Class 5 fine wire - 4 AWG: Class K fine wire		

Part Number	Number of Conductors	1 Shielded Pair for Signal	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread	SKINTOP® MS-M BRUSH Metric Thread
16 AWG (1.5 mm²)								
7416048	4	18 AWG	0.519	13.2	88	180	53112240	53112676
14 AWG (2.5 mm²)								
7414048	4	18 AWG	0.573	14.6	118	216	53112250	53112676
7414044	4	14 AWG	0.600	15.2	141	254	53112250	53112676
12 AWG (4 mm²)								
7412048	4	18 AWG	0.632	16.1	162	286	53112250	53112677
7412044	4	14 AWG	0.662	16.8	187	326	53112250	53112677
10 AWG (6 mm²)								
7410044	4	14 AWG	0.745	18.9	260	406	53112260	53112677
8 AWG (10 mm²)								
7408044	4	14 AWG	0.896	22.8	375	617	53112260	53112678
6 AWG (16 mm²)								
7406044	4	14 AWG	1.026	26.1	472	848	53112270	53112678
4 AWG (21 mm²)								
7404044	4	14 AWG	1.324	33.6	643	1251	—	53112679

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.