

# ÖLFLEX® VFD SLIM

# Reduced-diameter VFD cable; 600V / 1000V; UL & c(UL) TC-ER approval

## LAPP KABEL STUTTGART ÖLFLEX® VFD SLIM



ÖLFLEX® VFD SLIM is a reduced-diameter shielded motor cable for VFD drives. 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 and to disperse increases in voltage caused by wave reflection, spikes, in-rush current, and harmonics. It is resistant to a wide range of disinfecting solutions used in the food, beverage, chemical and related industries.

# Recommended applications

VFD drive and motor applications; web presses; HVAC; conveyors; on/off, slow down/speed up applications

## Approvals















Cable attribute	s		page 648
OIL	OR-03	<b>⚠</b> FLAME	FR-03
(E) MOTION	FL-01	🥎 месн.	MP-03

#### 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)

<u>Jacket:</u> specially formulated thermoplastic polymer; black

# Application Advantage

- LAPP Surge Guard insulation protection
- UL TC-ER & c(UL) CIC/TC approved
- · Double shielded for extra protection
- Resistant to a wide range of disinfecting solutions used in the food, beverage, chemical and related industries, according to ECOLAB® PM 40-1 test procedure





SKINTOP® MS-SC page 522



ULTRA HB page 404

#### Technical data

Minimum bend radius: 7.5 x cable diameter

Temperature range:

- UL/CSA TC: -25°C to +90°C - for stationary use: -40°C to +105°C - for flexible use: -25°C to +105°C

7 Nominal voltage:

- UL/CSA TC: 600V - UL WTTC: 1000V - UL Flexible Motor Supply: 1000V - UL/CSA AWM: 1000V

不 Test voltage: 2000V

好 Peak voltage: 7500V

Conductor stranding:

- 18-6 AWG: Class 5 fine wire\* -4-2 AWG: Class K fine wire \* 18 AWG meets only Class 5 cross section and DC resistance Color code:

Approvals:

black with white numbers, plus green/yellow ground

UL: TC-ER per UL 1277

MTW per UL 1063 WTTC per UL 2277 AWM 20886

Attributes: UL Oil Res I/II

75°C wet; 90°C dry

-40°C cold bend; -25° cold impact

sunlight resistant

Submersible pump (14 AWG & larger)

direct burial NFPA 79

NEC: Class 1 Division 2 per NEC Article 501

c(UL) CIC/TC FT4 Canada:

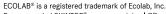
CSA AWM I/II A/B 1000V FT4

Additional: MSHA P-07KA050013-MSHA

CE & RoHS

Part number	Number of conductors incl. ground	Nom outer di in		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread	SKINTOP® MS-M BRUSH metric thread	
18 AWG (1 mm²)								
761804	4	0.394	10.0	53	112	53112230	_	
16 AWG (1.5 mm²)								
761604	4 + drain	0.465	11.8	73	154	53112240	53112676	
14 AWG (2.5 mm²)								
761404	4	0.514	13.1	100	194	53112240	53112676	
12 AWG (4 mm²)								
761204	4	0.583	14.8	139	254	53112250	53112676	
10 AWG (	10 AWG (6 mm²)							
761004	4	0.697	17.7	195	346	53112260	53112677	

Part number	Number of conductors incl. ground	Nom outer di		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread	SKINTOP® MS-M BRUSH metric thread
8 AWG (10 mm²)							
760804	4	0.829	21.1	326	596	53112260	53112678
6 AWG (16 mm²)							
760604	4	1.002	25.5	494	785	53112270	53112678
4 AWG (21 mm²)							
760404	4	1.186	30.1	648	965	53112270	53112679
2 AWG (33.7 mm²)							
760204	4	1.395	35.4	985	1339	_	53112680



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.