Flexible cable for drives, motors & assemblies

ÖLFLEX[®] VFD SLIM

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

LAPP KABEL STUTTGART ÖLFLEX® VFD SLIM

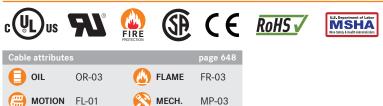
ÖLFLEX[®] VFD SLIM is a reduced-diameter shielded motor cable for VFD drives. It is designed with the LAPP Surge Guard insulation system, which includes a semiconductive layer made to withstand nonlinear power distortions associated with VFD drives and to disperse increases in voltage caused by wave 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

Technical data



Construction

Conductors: finely stranded tinned copper

Insulation: LAPP Surge Guard insulation system

<u>Shielding</u>: 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 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

omplete the installation





Minimum bend radius:	7.5 x cable diameter	Color code:		black with white numbers, plus green/yellow ground
Temperature range:				
- UL/CSA TC:	-25°C to +90°C	Approvals:	UL:	TC-ER per UL 1277
- for stationary use:	-40°C to +105°C			MTW per UL 1063
- for flexible use:	-25°C to +105°C			WTTC per UL 2277
				AWM 20886
7 Nominal voltage:			Attributes:	UL Oil Res I/II
- UL/CSA TC:	600V			75°C wet; 90°C dry
- UL WTTC:	1000V			-40°C cold bend; -25° cold impact
- UL Flexible Motor Supply:	1000V			sunlight resistant
- UL/CSA AWM:	1000V			Submersible pump (14 AWG & larger)
				direct burial
Ms Test voltage:	2000V			NFPA 79
			NEC:	Class 1 Division 2 per NEC Article 501
Mz Peak voltage:	7500V		Canada:	c(UL) CIC/TC FT4
<u> //></u>	,			CSA AWM I/II A/B 1000V FT4
Conductor stranding:			Additional:	MSHA P-07KA050013-MSHA
- 18-6 AWG:	Class 5 fine wire*			CE & RoHS

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

Part number	Number of conductors incl. ground	Nom outer dia in		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread	SKINTOP® MS-M BRUSH metric thread		
18 AWG (1 mm ²)									
761804	4	0.394	10.0	53	112	53112230	-		
16 AWG (1.5 mm ²)									
761604	4 + drain	0.465	11.8	73	154	53112240	53112676		
14 AWG (2.5 mm ²)									
761404	4	0.514	13.1	100	194	53112240	53112676		
12 AWG (4 mm ²)									
761204	4	0.583	14.8	139	254	53112250	53112676		
10 AWG (6 mm ²)									
761004	4	0.697	17.7	195	346	53112260	53112677		

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		
8 AWG (10 mm²)									
760804	4	0.829	21.1	326	596	53112260	53112678		
6 AWG (16 mm ²)									
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 mm ²)									
760204	4	1.395	35.4	985	1339	_	53112680		

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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.

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