

ÖLFLEX® HEAT 180 SiF A

High temperature single-conductor silicone cable with North American approvals

LAPP KABEL STUTTGART ÖLFLEX® HEAT 180 SiF A

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ÖLFLEX® HEAT 180 SiF A is a silicone single-core cable for extended temperatures with North American approvals. It has a temperature rating of 180°C and is halogen-free.

Recommended applications

Thermal and heating elements; lighting technology; switchboards and cabinets; other high-temperature appliances

Approvals



Cable attributes		page 648	
OIL	OR-01	FLAME	FR-02
MOTION	FL-01	MECH.	MP-01

Construction

Conductors: finely stranded tinned copper

Insulation: silicone

Application advantage

- Resistant to a multitude of oils, alcohols, and vegetable & animal fats
- Halogen-free and flame retardant

Complete the installation



SKINDICHT® CN
page 530



EPIC®
connectors
page 284

Technical data

Minimum bend radius:	6 x cable diameter	Conductor stranding:	Class 5 fine wire
Temperature range:		Color code:	
- UL:	-50°C to +150°C	50:	green/yellow*
- IEC:	-50°C to +180°C	52:	black*
		54:	blue*
		56:	brown*
		58:	red*
		60:	white*
		62:	gray
		64:	violet
		66:	dark blue
		68:	orange
		70:	yellow
		72:	green
Nominal voltage:		* color codes are different for 6 AWG & larger: see below	
- UL:	1000V		
- IEC:	600/1000V		
Test voltage:	3000V	Approvals:	
		UL:	AWM 3644
		Canada:	cRU AWM FT2
		Additional:	CE & RoHS

Part number	Nominal outer diameter		Copper weight	Approx. weight
	in	mm	lbs/mft	lbs/mft
24 AWG (0.25 mm²)				
1249..0	0.087	2.2	2	5
20 AWG (0.5 mm²)				
1249..2	0.095	2.4	3	7
19 AWG (0.75 mm²)				
1249..3	0.106	2.7	5	9
18 AWG (1 mm²)				
1249..4	0.110	2.8	6	12
16 AWG (1.5 mm²)				
1249..5	0.122	3.1	10	15
14 AWG (2.5 mm²)				
1249..6	0.138	3.5	16	22
12 AWG (4 mm²)				
1249..7	0.162	4.1	26	33
10 AWG (6 mm²)				
1249..8	0.217	5.5	39	53

Part number	Nominal outer diameter		Copper weight	Approx. weight
	in	mm	lbs/mft	lbs/mft
8 AWG (10 mm²)				
1249..9	0.299	7.6	65	89
6 AWG (16 mm²)				
1249..0*	0.331	8.4	103	129
4 AWG (25 mm²)				
1249..1*	0.386	9.8	161	194
2 AWG (35 mm²)				
1249..2*	0.429	10.9	226	259
1 AWG (50 mm²)				
1249..3*	0.532	13.5	323	375
2/0 AWG (70 mm²)				
1249..4*	0.611	15.5	452	521
3/0 AWG (95 mm²)				
1249..5*	0.690	17.5	613	675

For LAPP part number, add the double digit color code (see above) to the part number in the table, e.g.: 16 AWG green/yellow = 4726501

* Color codes are different for cables 6 AWG & larger: 51 – green/yellow; 53 – black; 55 – blue; 57 – brown; 59 – red; 61 – white.

Violet, dark blue, orange, yellow & green are only available up to 14 AWG; gray to 10 AWG; brown to 6 AWG; green/yellow, blue & white to 4 AWG; red to 1 AWG

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.