

ÖLFLEX® HEAT 180 SiHF

High temperature silicone control cable



ÖLFLEX® HEAT 180 SiHF is a high temperature silicone cable. It has a temperature rating of 180°C and is halogen-free.

Recommended applications

Foundries; steel mills; glass factories; furnaces; commercial baking equipment; other high-temperature applications

Approvals



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

Construction

- Conductors:** finely stranded tinned copper
- Insulation:** silicone
- Jacket:** silicone; red-brown

Application advantage

- Rated for use up to 180°C and can handle rapid increases in heat
- Excellent low temperature rating of -50°C
- Halogen-free
- Fine stranding for improved flexibility

Complete the installation

SKINDICHT® CN
page 530

EPIC®
connectors
page 284

Technical data

Minimum bend radius:	4 x cable diameter	Conductor stranding:	Class 5 fine wire
Temperature range:	-50°C to +180°C	Color code:	- up to 5c: VDE 0293-308: chart 6, page 681 - 6c & higher: black with white numbers, plus green/yellow ground
Nominal voltage:	300/500V	Approvals:	CE & RoHS
Test voltage:	2000V		

Part number	Number of conductors incl. ground*	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINDICHT® CN PG thread
		in	mm			
18 AWG (1 mm²)						
0046007	2	0.260	6.6	13	44	52032520
0046008	3	0.276	7.0	20	53	52032520
00460093	4	0.311	7.9	26	68	52032520
00460103	5	0.347	8.8	33	85	52032520
0046012	7	0.374	9.5	46	105	52032525
16 AWG (1.5 mm²)						
0046013	2	0.299	7.6	20	60	52032520
0046014	3	0.315	8.0	29	73	52032520
00460153	4	0.347	8.8	39	90	52032520
00460163	5	0.378	9.6	49	110	52032525
0046018	7	0.410	10.4	68	136	52032525
0046039	12	0.552	14.0	117	242	52032560
0046040	16	0.638	16.2	155	321	52032560
0046041	20	0.690	17.5	194	386	52032560
0046042	24	0.780	19.8	233	484	52032570
14 AWG (2.5 mm²)						
0046019	2	0.347	8.8	33	86	52032520
0046020	3	0.382	9.7	49	112	52032525
00460213	4	0.418	10.6	65	138	52032525
00460223	5	0.457	11.6	81	169	52032540
0046024	7	0.496	12.6	113	210	52032540

Part number	Number of conductors incl. ground*	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINDICHT® CN PG thread
		in	mm			
12 AWG (4 mm²)						
0046025	2	0.426	10.8	52	132	52032525
0046026	3	0.453	11.5	78	162	52032540
00460273	4	0.496	12.6	104	202	52032540
00460283	5	0.552	14.0	130	251	52032560
0046030	7	0.615	15.6	181	327	52032560
10 AWG (6 mm²)						
0046031	2	0.489	12.4	78	180	52032540
0046032	3	0.520	13.2	117	224	52032540
00460333	4	0.579	14.7	155	286	52032560
00460343	5	0.654	16.6	194	362	52032560
0046036	7	0.733	18.6	271	474	52032560
8 AWG (10 mm²)						
00460373	4	0.764	19.4	259	475	52032570
00460453	5	0.851	21.6	323	590	52032570
6 AWG (16 mm²)						
00460383	4	0.843	21.4	413	675	52032570

* 2c cable does not include ground

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.