

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



Construction

- Conductors:** Finely stranded tinned copper
- Insulation:** Silicone; cores twisted in layers
- 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

Cable Attributes		page 640
OIL	OR-02	FLAME FR-01
MOTION	FL-01	MECH. MP-01

Complete the Installation	
SKINTOP® CN High Temp. page 522	EPIC® Connectors page 280

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 673 - 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 (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINDICHT® CN PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINDICHT® CN PG Thread
18 AWG (1.00 mm²)						12 AWG (4 mm²)					
0046007*	2	0.260 6.6	13	44	52032520	0046025*	2	0.426 10.8	52	132	52032525
0046008	3	0.276 7.0	20	53	52032520	0046026	3	0.453 11.5	78	162	52032540
00460093	4	0.311 7.9	26	68	52032520	00460273	4	0.496 12.6	104	202	52032540
00460103	5	0.347 8.8	33	85	52032520	00460283	5	0.552 14.0	130	251	52032560
0046012	7	0.374 9.5	46	105	52032525	0046030	7	0.615 15.6	181	327	52032560
16 AWG (1.50 mm²)						10 AWG (6 mm²)					
0046013*	2	0.299 7.6	20	60	52032520	0046031*	2	0.489 12.4	78	180	52032540
0046014	3	0.315 8.0	29	73	52032520	0046032	3	0.520 13.2	117	224	52032540
00460153	4	0.347 8.8	39	90	52032520	00460333	4	0.579 14.7	155	286	52032560
00460163	5	0.378 9.6	49	110	52032525	00460343	5	0.654 16.6	194	362	52032560
0046018	7	0.410 10.4	68	136	52032525	0046036	7	0.733 18.6	271	474	52032560
0046039	12	0.552 14.0	117	242	52032560	8 AWG (10 mm²)					
0046040	16	0.638 16.2	155	321	52032560	00460373	4	0.764 19.4	259	475	52032570
0046041	20	0.690 17.5	194	386	52032560	00460453	5	0.851 21.6	323	590	52032570
0046042	24	0.780 19.8	233	484	52032570	6 AWG (16 mm²)					
14 AWG (2.50 mm²)						00460383	4	0.843 21.4	413	675	52032570
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						

* 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. For current information go to our website.