

ÖLFLEX® HEAT 180 GLS

High Temperature Silicone Control Cable; Protective Steel Braid



ÖLFLEX® HEAT 180 GLS is a high temperature silicone control cable with a galvanized steel braid for mechanical protection. It has a temperature rating of 180°C and is halogen-free.

Shielded Construction

Conductors: Finely stranded tinned copper

Insulation: Silicone

Jacket: Red-brown silicone jacket; glass fiber wrap; galvanized steel wire braiding

Recommended Applications

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

Application Advantage

- Rated for use up to 180°C and can handle rapid increases in heat
- Excellent low temperature rating of -50°C
- Galvanized steel braid for mechanical protection

Approvals



Cable Attributes, see page 696

OR-02	FR-01	FL-01	MP-01
OIL	FLAME	MOTION	MECHANICAL

Similar Cables

- ÖLFLEX® HEAT 260 GLS

Complete the Installation



High Temperature Strain Relief: page 531



EPIC® Connectors: page 278

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 696
 - 6c & higher: Black with white numbers, plus green/yellow ground

Nominal Voltage: 300/500V

Test Voltage: 2000V

Approvals: CE & RoHS

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINDICHT® CN PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINDICHT® CN PG Thread
18 AWG (1.00 mm²)						14 AWG (2.50 mm²)					
0046207*	2	0.307 7.8	13	62	52032520	0046219*	2	0.394 10.0	33	109	52032525
0046208	3	0.323 8.2	20	71	52032520	0046220	3	0.429 10.9	49	146	52032525
00462093	4	0.359 9.1	26	89	52032525	00462213	4	0.473 12.0	65	175	52032540
00462103	5	0.394 10.0	33	108	52032525	00462223	5	0.512 13.0	81	208	52032540
0046212	7	0.422 10.7	46	138	52032525	0046224	7	0.552 14.0	113	243	52032560
16 AWG (1.50 mm²)						12 AWG (4 mm²)					
0046213*	2	0.347 8.8	20	80	52032520	0046226	3	0.508 12.9	78	202	52032540
0046214	3	0.362 9.2	29	94	52032525	00462273	4	0.552 14.0	104	245	52032560
00462153	4	0.394 10.0	39	113	52032525	00462283	5	0.607 15.4	130	300	52032560
00462163	5	0.426 10.8	49	142	52032525	10 AWG (6 mm²)					
0046218	7	0.465 11.8	68	171	52032540	00462313	4	0.634 16.1	155	336	52032560
0046237	12	0.607 15.4	117	291	52032560	8 AWG (10 mm²)					
						00462343	4	0.820 20.8	259	542	52032570
						6 AWG (16 mm²)					
						00462353	4	0.898 22.8	413	751	52032570

* 2c cable does not include ground.

Teflon® is a registered trademark of DuPont and is used here for comparative purposes only.

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available, please see our SKINTOP® Section. Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.