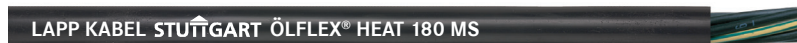


ÖLFLEX® HEAT 180 MS/180 C MS

High Temperature Silicone Control Cable; North American Approvals



ÖLFLEX® HEAT 180 MS is a high temperature silicone cable with North American approvals. It has a temperature rating of 180°C and is halogen-free. ÖLFLEX® HEAT 180 C MS is a shielded version available with an overall tinned copper braid. This is recommended when electrical interference needs to be suppressed.

Recommended Applications

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

Approvals



Unshielded Construction

Conductors: Finely stranded tinned copper

Insulation: Silicone; cores twisted together

Jacket: Black silicone

Shielded Construction

Conductors: Finely stranded tinned copper

Insulation: Silicone; cores twisted together

Shielding: Tinned copper braid shield (85% coverage); plastic foil wrap

Jacket: Black silicone

Application Advantage

- Rated for use up to 180°C and can handle rapid increases in heat
- Excellent low temperature rating of -50°C
- Passes FT1 vertical flame test
- Halogen-free & UV-resistant jacket
- Resistant to oils, alcohols, vegetable & animal fats, and chemical substances

Cable Attributes, see page 659

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

Similar Cables

- ÖLFLEX® HEAT 180 SiHF
- ÖLFLEX® HEAT 180 H05SS-F EWKF

Complete the Installation

High Temperature Strain Relief: page 531	EPIC® Connectors: page 278
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Technical Data

Minimum Bend Radius: - unshielded: 4 x cable diameter - shielded: 6 x cable diameter	Test Voltage: 2000V
Temperature Range: - UL: -50°C to +150°C - VDE: -50°C to +180°C	Conductor Stranding: Class 5 fine wire
Nominal Voltage: 600V (not for power applications)	Color Code: - up to 5c: VDE 0293-308: Chart 6, page 696 - 6c & higher: Black with white numbers, plus green/yellow ground
	Approvals: UL: AWM 4476 Canada: cRU AWM II A/B FT1 Additional: CE & RoHS

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.

ÖLFLEX® HEAT 180 MS

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
20 AWG (0.50 mm²)							14 AWG (2.50 mm²)						
0046600*	2	0.292	7.4	7	45	52032520	0046628	2*	0.378	9.6	33	91	52032525
0046601	3	0.307	7.8	10	52	52032520	0046629	3	0.402	10.2	49	111	52032525
00466023	4	0.335	8.5	14	62	52032520	00466303	4	0.437	11.1	65	137	52032540
00466033	5	0.362	9.2	17	74	52032525	00466313	5	0.481	12.2	81	167	52032540
0046604	7	0.390	9.9	24	88	52032525	12 AWG (4 mm²)						
18 AWG (1.00 mm²)							0046633	3	0.453	11.5	78	165	52032540
0046612*	2	0.323	8.2	13	58	52032520	00466343	4	0.496	12.6	104	206	52032540
0046613	3	0.343	8.7	20	68	52032520	00466353	5	0.559	14.2	130	261	52032560
00466143	4	0.370	9.4	26	83	52032525	10 AWG (6 mm²)						
00466153	5	0.406	10.3	33	99	52032525	0046636	3	0.587	14.9	116	246	52032560
0046616	7	0.437	11.1	46	121	52032540	00466373	4	0.646	16.4	155	308	52032560
0046617	12	0.587	14.9	78	214	52032560	00466383	5	0.709	18.0	194	378	52032560
16 AWG (1.50 mm²)													
0046618*	2	0.347	8.8	20	70	52032520							
0046619	3	0.366	9.3	30	84	52032525							
00466203	4	0.398	10.1	39	103	52032525							
00466213	5	0.437	11.1	49	124	52032540							
0046622	7	0.473	12.0	69	153	52032540							
0046623	12	0.634	16.1	117	272	52032560							
0046625	18	0.741	18.8	175	381	52032560							
0046626	25	0.902	22.9	242	562	52032570							

* 2c cable does not include ground.

ÖLFLEX® HEAT 180 C MS

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
20 AWG (0.50 mm²)							14 AWG (2.50 mm²)						
0046701	3	0.339	8.6	30	67	52032520	0046728	3	0.433	11.0	78	132	52032525
0046702	4	0.366	9.3	38	82	52032525	0046729	4	0.469	11.9	99	164	52032540
0046703	5	0.394	10.0	41	92	52032525	0046730	5	0.508	12.9	120	196	52032540
18 AWG (1.00 mm²)							12 AWG (4 mm²)						
0046708*	2	0.355	9.0	33	70	52032520	0046734	3	0.485	12.3	112	175	52032540
0046709	3	0.374	9.5	44	88	52032525	0046735	4	0.528	13.4	143	218	52032540
0046710	4	0.402	10.2	51	102	52032525	0046736	5	0.587	14.9	173	261	52032560
0046711	5	0.433	11.0	62	122	52032525	10 AWG (6 mm²)						
0046712	7	0.469	11.9	80	153	52032540	0046740	4	0.678	17.2	204	324	52032560
16 AWG (1.50 mm²)							0046741	5	0.737	18.7	248	390	52032560
0046716*	2	0.378	9.6	44	85	52032525	8 AWG (10 mm²)						
0046717	3	0.398	10.1	54	102	52032525	0046742	4	0.898	22.8	342	539	52032570
0046718	4	0.429	10.9	68	125	52032525							
0046719	5	0.465	11.8	83	149	52032540							
0046720	7	0.504	12.8	107	189	52032540							
0046721	12	0.666	16.9	165	290	52032560							
0076723	18	0.772	19.6	233	403	52032570							
0046724	25	0.942	23.9	334	560	52032570							

* 2c cable does not include ground.

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.