

# ÖLFLEX® HEAT 145 MC/145 C MC

Highly Flame Retardant and Temperature-Resistant Cable



The ÖLFLEX® HEAT 145 series of halogen-free cables has very good chemical and heat resistance. This series is available both as a shielded and non-shielded multi-conductor cable.

## Recommended Applications

Lighting equipment; heating appliances; switch gear cabinets; other high-temperature and outdoor appliances

## Approvals



## Unshielded Construction

**Conductors:** Finely stranded tinned copper

**Insulation:** Halogen-free cross-linked polyolefin copolymer

**Jacket:** Black halogen-free cross-linked polyolefin

## Shielded Construction

**Conductors:** Finely stranded tinned copper

**Insulation:** Halogen-free cross-linked polyolefin copolymer

**Shielding:** Tinned copper braid

**Jacket:** Black halogen-free cross-linked polyolefin

## Application Advantage

- Resistant to humidity, ozone, and UV rays
- Highly flame retardant
- Halogen-free and abrasion-resistant
- GL (Germanischer Lloyd) approved

### Cable Attributes, see page 659

OR-01	FR-03	FL-01	MP-01
OIL	FLAME	MOTION	MECHANICAL

### Complete the Installation

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

### Minimum Bend Radius:

- for stationary use: 4 x cable diameter
- shielded: 5 x cable diameter

### Temperature Range:

-55°C to +125°C  
short term up to 145°C

### Nominal Voltage:

- up to 16 AWG: 300/500V
- 16 AWG & higher: 450/750V

### Test Voltage:

3500V

### Conductor Stranding:

Class 5 fine wire

### Color Code:

- ÖLFLEX® HEAT 145 MC:
  - up to 5c: VDE 0293-308: Chart 6, page 696
  - 6c & higher: Black with white numbers, plus green/yellow ground
- ÖLFLEX® 145 C MC: Black with white numbers, plus green/yellow ground

### Approvals:

CE & RoHS  
Germanischer Lloyd

ÖLFLEX® HEAT 145 MC

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
<b>18 AWG (1.00 mm<sup>2</sup>)</b>							<b>14 AWG (2.50 mm<sup>2</sup>)</b>						
0026815*	2	0.248	6.3	13	34	52032520	0026838*	2	0.355	9.0	33	69	52032520
0026816	3	0.268	6.8	20	45	52032520	0026839	3	0.386	9.8	49	97	52032525
00268173	4	0.292	7.4	26	58	52032520	00268403	4	0.426	10.8	65	127	52032525
00268183	5	0.327	8.3	33	72	52032520	00268413	5	0.473	12.0	81	158	52032540
0026819	7	0.390	9.9	46	102	52032525	0026842	7	0.575	14.6	113	231	5202560
<b>16 AWG (1.50 mm<sup>2</sup>)</b>							<b>12 AWG (4 mm<sup>2</sup>)</b>						
0026825*	2	0.299	7.6	20	48	52032520	00268503	4	0.481	12.2	104	185	52032540
0026826	3	0.319	8.1	30	65	52032520	00268513	5	0.532	13.5	130	224	52032540
00268273	4	0.347	8.8	39	83	52032520	<b>10 AWG (6 mm<sup>2</sup>)</b>						
00268283	5	0.386	9.8	49	105	52032525	00268563	5	0.607	15.4	194	332	52032560
0026830	7	0.473	12.0	68	151	52032540							
0026831	10	0.575	14.6	97	216	52032560							
0026832	12	0.575	14.6	117	212	52032560							
0026833	16	0.638	16.2	155	279	52032560							
0026837	25	0.831	21.1	242	491	52032570							

\* 2c cable does not include ground.

ÖLFLEX® HEAT 145 C MC

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
<b>18 AWG (1.00 mm<sup>2</sup>)</b>							<b>14 AWG (2.50 mm<sup>2</sup>)</b>						
0026917	3	0.292	7.4	38	70	52032520	0026932*	2	0.386	9.8	65	106	52032525
0026918	4	0.319	8.1	45	87	52032520	0026933	3	0.410	10.4	99	133	52032525
0026919	5	0.351	8.9	64	103	52032520	0026934	4	0.453	11.5	101	159	52032540
0026920	7	0.414	10.5	74	142	52032525	0026935	5	0.496	12.6	135	193	52032540
<b>16 AWG (1.50 mm<sup>2</sup>)</b>							<b>12 AWG (4 mm<sup>2</sup>)</b>						
0026924*	2	0.323	8.2	39	77	52032520	0026938	4	0.504	12.8	148	213	52032540
0026925	3	0.343	8.7	48	89	52032520	0026939	5	0.563	14.3	175	253	52032560
0026926	4	0.370	9.4	58	110	52032525							
0026927	5	0.414	10.5	70	134	52032525							
0026928	7	0.496	12.6	92	183	52032540							

\* 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.