

Expanded ambient temperatures

PTFE single cores (-190°C to +260°C)



ÖLFLEX® HEAT 260 SC

For use in the most extreme conditions



Benefits

- Small outer diameters for maximum saving of space and weight
- Resistant to contact with mostly all highly aggressive chemical media
- Stress crack resistant to frequent ambient temperature fluctuations

Application range

- Conventional cables are not designed for use in environments with very high operating temperatures, heavy usage of chemical agents, or tight spaces
- Typical fields of application
 - Aerospace engineering
 - High-frequency engineering
 - Control cabinets with high heat generation
 - Measuring instruments
 - Furnaces and brickworks
 - Heating equipment and kitchen appliances
 - Electric motor building
 - Installations in the chemical industry

Product features

- ÖLFLEX® HEAT 260 made of PTFE
 - Outstanding resistance against acids, alkalis, solvents, lacquers, petrol, oils and many other chemical media
 - Difficult to inflame
 - High dielectric strength and high abrasion resistance
 - Low water absorption
 - Resistant to microbes
 - Adhesion-free insulation materials
 - Weather and ozone resistant
 - Hydrophobic and dirt-repellent
 - High elongation and tear resistance
 - Resists contact with liquid nitrogen
 - Resistant against hydraulic fluids
- Silver plated copper is characterized by good surface conductivity (skin effect) and good solderability

Product make-up

- Silver-plated AWG copper conductor
- PTFE core insulation

Info

- Excellent chemical, thermal and electrical performance
- Space and weight-saving
- PTFE= Polytetrafluoroethylene

Technical data

Classification
ETIM 5.0 Class-ID: EC000993
ETIM 5.0 Class-Description: Single core cable

Specific insulation resistance
> 1 TOhm x cm

Conductor stranding
AWG conductor sizes: 7, 19 or 37 wires

Minimum bending radius
Fixed installation: 4 x outer diameter

Nominal voltage
U₀/U: 300/500 V

Test voltage
3400 V

Temperature range
Fixed installation: -190°C to +260°C

AWG No. and wire number	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	brown	black	grey	blue	green/yellow	orange	white
28 (7)	0.8	0.9	2	0094003	0094001	0094106	0094002	0094000	0094009	0094105
26 (7)	0.9	1.4	2.7		0095001	0095106	0095002		0095009	0095105
26 (19)	0.9	1.5	2.9		0096001			0096000		
24 (7)	1.1	2.2	3.8	0097003	0097001		0097002			0097105
24 (19)	1.1	2.3	4	0098003	0098001	0098106	0098002	0098000		0098105
22 (7)	1.2	3.4	5.4	0099003	0099001		0099002			0099105
22 (19)	1.2	3.7	5.7	0100003	0100001		0100002		0100009	0100105
20 (7)	1.4	5.4	7.7	0101003	0101001		0101002			0101105
20 (19)	1.4	5.9	8.2	0102003	0102001	0102106	0102002		0102009	0102105
18 (7)	1.7	8.6	12		0103001					
18 (19)	1.7	9.3	12	0104003	0104001		0104002	0104000	0104009	0104105
16 (19)	2.0	11.8	16	0105003	0105001		0105002	0105000	0105009	0105105
14 (19)	2.4	18.7	23	0106003	0106001	0106106	0106002	0106000		0106105
12 (19)	2.8	29.6	35	0107003	0107001		0107002	0107000		0107105
10 (37)	3.4	45.6	51		0108001		0108002	0108000		0108105

AWG No. and wire number	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	green	yellow	violet	red	transparent	pink
28 (7)	0.8	0.9	2	0094006	0094005	0094007	0094104	0094010	0094008
26 (7)	0.9	1.4	2.7	0095006	0095005	0095007	0095104		
26 (19)	0.9	1.5	2.9	0096006			0096104		
24 (7)	1.1	2.2	3.8				0097104		
24 (19)	1.1	2.3	4	0098006			0098104		
22 (7)	1.2	3.4	5.4	0099006		0099007	0099104		
22 (19)	1.2	3.7	5.7		0100005		0100104		
20 (7)	1.4	5.4	7.7	0101006			0101104		
20 (19)	1.4	5.9	8.2	0102006	0102005	0102007	0102104		
18 (19)	1.7	9.3	12	0104006	0104005	0104007	0104104	0104010	
16 (19)	2.0	11.8	16	0105006	0105005	0105007	0105104		0105008
14 (19)	2.4	18.7	23	0106006	0106005		0106104		
12 (19)	2.8	29.6	35	0107006	0107005				
10 (37)	3.4	45.6	51				0108104		

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
 Packaging size: Coil 100m
 Available as original coil goods only
 Also available on large spools and non-returnable drums.
 Photographs are not to scale and do not represent detailed images of the respective products.
 Article number index of core colours: 000 = green-yellow; 001 = black; 002 = blue; 003 = brown; 005 = yellow; 006 = green; 007 = violet; 008 = pink; 009 = orange; 010 = transparent; 104 = red; 105 = white; 106 = grey
 Other colours are available upon request

Similar products

- ÖLFLEX® HEAT 205 SC refer to page 183

Accessories

- UNIVERSAL STRIP stripping and cutting tool refer to page 910
- KT 11 cable shears refer to page 907

ÖLFLEX® UNITRONIC® ETHERLINE® HITRONIC® EPIC® SILVYN® SKINTOP® FLEXIMARK® ACCESSORIES APPENDIX