



## ÖLFLEX® HEAT 650 SC

Suitable for use in ambient temperature from -50°C to +700°C

**Info**

- For use in dry conditions



### Benefits

- Suitable for areas where the installation temperature and ambient temperature is very high
- Good electrical conductivity at high temperatures, low conductor resistance due to nickel strand

### Application range

- Heating modules, electric heating devices, heat lockers
- Furnaces, electric ranges, night storage heater
- Heavy industry, iron and steel works, foundries, glass and ceramic processing, chemical industries
- Machinery, apparatus and power plant construction

### Product features

- Flame-retardant
- Halogen-free
- Only suitable for use in dry conditions
- ÖLFLEX® HEAT 1565 SC is recommended if the peak temperature of the application may briefly go beyond 700°C

### Product Make-up

- Strand made of nickel
- Core insulation: glass fibre covering and impregnated glass fibre braids

### Technical data

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

**Conductor stranding**  
 Fine wire  
 see data sheet

**Minimum bending radius**  
 Fixed installation: 5 x outer diameter

**Nominal voltage**  
 U<sub>0</sub>/U: 300/500 V

**Test voltage**  
 1800 V

**Temperature range**  
 Occasional flexing: -50°C to +650°C  
 Fixed installation: -50°C to +700°C (adequate ventilation required)

Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Ni-index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® HEAT 650 SC</b>				
1232650	0.5	2.4	4.8	13
1232651	0.75	2.5	7.6	15
1232652	1	2.7	9.7	17
1232653	1.5	3.0	14.8	23
1232654	2.5	3.5	23.5	34
1232655	4	3.9	38.6	54
1232656	6	4.6	57.9	84
1232657	10	6.8	96.5	120
1232658	16	7.5	152	199
1232659	25	9.0	236.4	300
1232660	35	10.4	332.8	399
1232661	50	12.7	481.1	540

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
 Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
 Packaging size: Coil ≤ 30 kg, otherwise drum  
 Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).  
 Photographs are not to scale and do not represent detailed images of the respective products.

### Similar products

- ÖLFLEX® HEAT 1565 SC refer to page 198

### Accessories

- SILVYN® UI 511 refer to page 912
- SMART STRIP stripping tool
- KS 20 cable shears refer to page 999