

## ÖLFLEX® HEAT 650 SC

DB1232650  
valid from: 23.10.2015**Application**

The ÖLFLEX® HEAT 650 SC has been carefully engineered for application in high temperature environment up to 650°C. It is especially for electric ranges, heat lockers, night storage heater and other electric heating devices.

**Technical data**

Conductor	Bunched nickel strands (Ni > 99,2%)
Core insulation	0,5mm <sup>2</sup> up to 10mm <sup>2</sup> : Several counter wise layers of Glass fibre wrappings for ≥ 16mm <sup>2</sup> : Several layers of Mica tape
Jacket	Glass fibre braid with special impregnation
Available Designs	Natural or coloured, natural with coloured tracer yarns

**Electrical properties**

Rated voltage	300/500 V
Test voltage	1800V

**Mechanical and thermal properties**

Temperature range	occasional flexing:	-50°C up to +650°C
	fixed installation:	-50°C up to +700°C
Minimum bending radius	occasional flexing:	15 x cable diameter
	fixed installation:	5 x cable diameter
Flame retardant	according to IEC 60332-1-2	
EU-Directives	meets European CE Low Voltage Directive 2014/35/EU	

part number	cross section [mm <sup>2</sup> ]	maximum conductor resistance at +20 °C [Ω/km]	core diameter approximately [mm]
1232650	0,5	180	2,4
1232651	0,75	120	2,5
1232652	1,0	90	2,7
1232653	1,5	60	3,0
1232654	2,5	36	3,5
1232655	4,0	22,5	3,9
1232656	6,0	15	4,6
1232657	10,0	9	7,3
1232658	16,0	5,6	8,5
1232659	25,0	3,6	9,5
1232660	35,0	2,6	10,9
1232661	50,0	1,8	13,2