

1232650	DATA SHEET	
Valid from: 13.12.2019	ÖLFLEX® HEAT 650 SC	

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.

Design

Conductor	Bunched nickel strands (Ni > 99,2%)
Core insulation	0,5mm ² up to 10mm ² : Several counter wise layers of Glass fibre wrappings for ≥ 16mm ² : Several layers of Mica tape
Outer sheath	Glass fibre braid with special impregnation colour:

Electrical properties

Nominal voltage	U ₀ / U: 300/500 V
Test voltage	1800 V

Mechanical and thermal properties

Min. bending radius	occasional flexing:	15 x cable diameter
	fixed installation:	5 x cable diameter
Temperature range	occasional flexing:	-50°C up to +650°C
	fixed installation:	-50°C up to +700°C

Flammability acc. to IEC 60332-1-2

EU Directives These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

part number	cross section [mm ²]	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	2,9
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	7,8
1232658	16,0	5,6	8,2
1232659	25,0	3,6	9,8
1232660	35,0	2,6	10,6
1232661	50,0	1,8	11,2

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