

1232650	DATA SHEET	
valid from: 13.01.2025	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%)
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: natural with coloured tracer yarns (coloured on request)

Electrical properties at 20 °C

Nominal voltage	U ₀ / U: 300 / 500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Minimum bending radius	fixed installation: 10 x outer diameter
Temperature range	fixed installation: -50 °C up to +650 °C
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2

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

Environmental information These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

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

* Cross section is reference value (for information only)

Creator: LABU / PDC	Document: DB1232650EN	Page 1 of 1
Released: ALTE / PDC	Version: 04	