

ÖLFLEX[®] HEAT 700 SC



Application

The ÖLFLEX[®] HEAT 700 SC single core cables are suitable for fixed installation and wiring of electrical cabinets, motors and within machines, lightings and appliances at ambient temperatures up to +700°C.

The ÖLFLEX® HEAT 700 SC cables protect electric circuits at extreme locations, e.g. blast furnaces, coke mills, oil refineries, glassworks, aluminium- and steel works etc.

They are only suitable for use in dry areas.

They are halogen-free and flame retardant.

Design

Conductor	fine wire strands of nickel-plated copper Single wire diameter acc. to IEC 60228 resp. EN IEC 60228, class 5
Insulation	0,5mm ² up to 10mm ² : Several counter wise layers of Glass fibre wrappings for \geq 16mm ² : Several layers of Mica tape
Outer sheath	glass fibre braid with special impregnation colour: natural with coloured tracer yarn

Electrical properties at 20 °C

Nominal voltage	Uo / 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 +700 °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 * [mm²]	maximum conductor resistance at +20 °C [Ω/km]	core diameter approximately [mm]
1232670	0.22	107	1.8
1232672	0.5	47	2.4
1232673	0.75	32	2.5
1232674	1.0	24	2.9
1232675	1.5	16	3.0
1232676	2.5	10	3.5
1232677	4.0	6.1	3.9
1232678	6.0	4.1	4.6
1232679	10.0	2.4	7.8
1232680	16.0	1.5	8.2
1232681	25.0	0.96	9.8

* Cross section is reference value (for information only)

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