

ÖLFLEX® HEAT 350 SC

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Application

ÖLFLEX® HEAT 350 SC single core cables are suitable for fixed installation and wiring of electrical cabinets, motors and within machines, lightings and appliances at expanded ambient temperatures up to +350°C.

ÖLFLEX® HEAT 350 SC single core cables protect electric circuits at extreme locations, e.g. blast furnaces, coke mills, oil refineries, glassworks, aluminium- and steel works etc.

The single core cables are only suitable for installation in dry conditions.

The single core cables are halogen-free and flame retardant.

Design

Conductor	nickel plated copper strands, fine wire according to IEC 60228, Cl. 5
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 layer	Glass fibre braid with special impregnation
Core colour	white

Electrical properties at 20°C

Nominal voltage	U ₀ /U: 230 / 400 V AC			
Test voltage	1500 V AC			
Max. conductor resistance	0,5 mm ² :	40,1 Ω/km	6,0 mm ² :	3,39 Ω/km
	0,75 mm ² :	26,7 Ω/km	10,0 mm ² :	1,95 Ω/km
	1,0 mm ² :	20 Ω/km	16,0 mm ² :	1,24 Ω/km
	1,5 mm ² :	13,7 Ω/km	25,0 mm ² :	0,795 Ω/km
	2,5 mm ² :	8,21 Ω/km	35,0 mm ² :	0,565 Ω/km
	4,0 mm ² :	5,09 Ω/km	50,0 mm ² :	0,393 Ω/km

Mechanical and thermal properties

Minimum bending radius	occasional flexing at max. +260°C:	15 x cable Ø
	fixed installation:	5 x cable Ø
Temperature range	-50°C up to +350° C max. conductor temperature	
EU directives	The cable is conform to EU directive 2014/35/EU (Low voltage directive)	