

0091350	DATA SHEET	 LAPP
valid from: 01.01.2019	ÖLFLEX® HEAT 350 SC	

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 areas.

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

Design

Conductor	fine wire strands of nickel-plated copper, acc. to IEC 60228 resp. VDE 0295, Class 5		
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 white		

Electrical properties at 20°C

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

Mechanical and thermal properties

Minimum bending radius	occasional flexing at max. +260°C: fixed installation:	15 x cable Ø 5 x cable Ø
Temperature range	fixed installation: -50°C up to +350°C max. conductor temperature	
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)	

AbN
automation

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