DATA SHEET

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ÖLFLEX® HEAT 1565 SC



Application

ÖLFLEX® HEAT 1565 SC cables ensure the power supply of electric circuits at extremely dangerous locations, e.g. blast furnaces, coke mills, oil refineries, glassworks, aluminium- and steel works etc. The maximum admissible temperature is thereby up to +1565°C (short-time). The outstanding heat-proved quality and flame resistance guarantee the function even at contact with melted metal or glass for short-term. The cable is 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 Several layers of Mica tape

Outer sheath Glass fibre braid with special impregnation

red (change of colour allowed)

Electrical properties at 20°C

Conductor resistance	0,5 mm ² :	47 Ω/km	6,0 mm ² :	$4,1 \Omega/km$
	0,75 mm² :	$32 \Omega/km$	10,0 mm ² :	$2,4~\Omega/km$
	1,0 mm² :	$24 \Omega/km$	16,0 mm ² :	1,5 Ω/km
	1,5 mm² :	16 Ω/km	25,0 mm ² :	$0,96 \Omega/km$
	2,5 mm ² :	10 Ω/km	35,0 mm ² :	0,68 Ω/km
	4,0 mm ² :	$6,1\Omega/\mathrm{km}$	50,0 mm ² :	$0,48~\Omega/km$
D. I. II.	II. (II. 200 /500 V			

Rated voltage U_0/U : 300/500 V Test voltage 2000 V AC

Mechanical and thermal properties

Minimum bending radius occasional flexing at max. $+260^{\circ}$ C 15 x cable Ø fixed installation: 5 x cable Ø

Temperature range -195°C up to +400° C max. conductor temperature

Short-term: up to +1565 °C

General requirements

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

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