

30020808

**DATA SHEET**valid from:  
01.01.2019**ÖLFLEX® HEAT 1565 MC****LAPP****Application**

ÖLFLEX® HEAT 1565 MC 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
Core identification code	Glass fibre braid with special impregnation
	cables with 2 cores – brown, blue
	cables with 4 cores – black, blue, yellow, red (the cores contain coloured stripes)
Stranding	cores twisted together, fillers allowed
Outer sheath	Several layers of Mica tape
	Glass fibre braid with special impregnation
	red (change of colour allowed)

**Electrical properties at 20°C**

Conductor resistance	0,5 mm <sup>2</sup> : 47 Ω/km 0,75 mm <sup>2</sup> : 32 Ω/km 1,0 mm <sup>2</sup> : 24 Ω/km	1,5 mm <sup>2</sup> : 16 Ω/km 2,5 mm <sup>2</sup> : 10 Ω/km 4,0 mm <sup>2</sup> : 6,1 Ω/km
Rated voltage	U <sub>0</sub> /U: 300/500 V	
Test voltage	2000 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	-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)

AbN  
automation

Creator: LABU / PDC	Document: DB30020808EN	Page 1 of 1
Released: ALTE / PDC	Version: 03	