



DATA SHEET	0046201
ÖLFLEX® HEAT 180 GLS	valid from : 19.12.2007

Application

ÖLFLEX® HEAT 180 GLS silicone tube cables provided with steel wire braiding are most suitable for use at high ambient temperatures and sufficient ventilation as well as average mechanical load. In the case of room temperature ÖLFLEX® HEAT 180 GLS is largely resistant against oils, alcohol, acids, caustic solutions, salt solution and salt water.

Design

Conductor	fine wire strand of tinned copper acc.to IEC 60228 resp. VDE 0295, class 5
Core insulation	Silicone based compound EI2 acc. to HD 22.1 resp. VDE 0282-1
Core identification	acc. to VDE 0293-1, with or without gn/ye ground conductor up to 5 cores coloured in acc. to HD 308 S2 resp. VDE 0293-308 more than 5 cores black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293 part 334
Outer sheath	Silicone compound EM9 acc. to HD 22.1 resp. VDE 0282-1 colour: blazing red (similar RAL 3000)
Braiding	glass fibre yarn taping and zinc-plated steel wire, coverage $\geq 75\%$ (nominal value)

Electrical properties at 20 °C

Nominal voltage	300 / 500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Temperature range	-50 °C up to +180 °C max. conductor temperature pay attention to sufficient ventilation, if ignoring the max. conductor temperature is +100 °C.
Min. bending radius	4 x cable diameter for fixed installation 20 x cable diameter for flex. applications
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2 after combustion a SiO ₂ -ash skeleton remains, which has still good insulation properties but has no more any mechanical stability.
Halogen-free	acc. to IEC 60754-1 resp. VDE 0472 part 815
Corrosivity	acc. to IEC 60754-2 resp. VDE 0482 part 267-2-3
Tests	in acc. to IEC 60811-x-x resp. VDE 0473 part 811-x-x, VDE 0472
EC directive	this cable confirms to ECD 2006/95/EC (low voltage directive).

elaborated by: TE-K: M. Herb / R. Krämer	Document: DB0046201EN	page 1 of 1
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