



DATA SHEET	2510001
ÖLFLEX® HEAT 180 FZLSi	valid from : 10.12.2007

Application

ÖLFLEX® HEAT 180 FZLSi are high-voltage ignition cores and recommended for use for inside wiring in the case of raised ambient temperatures under sufficient ventilation and small mechanical stress. In the case of room temperature, ÖLFLEX® HEAT 180 FZLSi is largely resistant against oil, alcohol, acids, caustic solutions, salt solutions and salt water. ÖLFLEX® HEAT 180 FZLSi is UV-and weather-resistant but should be used in outside areas only with mechanical protection.

Design

Conductor	copper strands (ca. 32x0,20 mm) 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	red

Electrical properties at 20 °C

Nominal voltage	10 kV
Test voltage	20 kV 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	6 x cable diameter for fixed installation 15 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: DB2510001EN	page 1 of 1
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