

2510001	DATA SHEET	
valid from: 01.01.2019	ÖLFLEX® HEAT 180 FZLSi	

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.

Design

Conductor	fine wire strand of tinned copper (ca. 32x0,20 mm) acc. to IEC 60228 resp. VDE 0295, class 5
Insulation	silicone compound EI2 acc. to VDE 0207-363-1
Core identification code	red

Electrical properties at 20°C

Rated voltage	10 kV
Test voltage	20 kV AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing:	15 x outer diameter
	fixed installation:	6 x outer diameter
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.	
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	
Corrosivity of gases	acc. to IEC 60754-2	
Tests	acc. to IEC 60811 resp. VDE 0473-811 and VDE 0472	

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