30016373	DATA SHEET	LAPP
valid from: 11.04.2019	ÖLFLEX® HEAT 205 PTFE/FEP	

Application

ÖLFLEX® HEAT 205 PTFE/FEP is a cold and heat resistant cable. Besides having excellent me-chanical and physical properties, ÖLFLEX® HEAT 205 PTFE/FEP is characterized by very good electrical values as well as outstanding resistance against oil, weather and UV-radiation. ÖLFLEX® HEAT 205 PTFE/FEP is resistant against the action of water, acids, alkalis, solvents, synthetic liquids and oils.
The screen is a protection against electrical interference. The cables are flame retardant.

Design

Conductor	fine strands of silver plated copper wires acc. to IEC 60228 resp. VDE 0295, class 5
Insulation	PTFE compound 5YI1 acc. to VDE 0207 part 6 (polytetraflouroethylene)
Core identification code	4 cores: blue, red, grey, black 6 cores: white, black, blue, brown, grey, red
Stranding	cores twisted together, polyester tape wrapping
Screen	braid of tinned copper, coverage = 85% (nominal value)
Outer sheath	FEP compound 6YM1 acc. to VDE 0207 part 6, colour: white

Electrical properties at 20°C

Nominal voltage	U_0/U: 300/500 V
Test voltage	c/c: 2000 V AC c/s: 1500 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x outer diameter fixed installation: 4 x outer diameter
Temperature range	fixed installation: -100° C up to +205° C (maximum conductor temperature)
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)