


30016373	DATA SHEET	
valid from: 06.08.2025	ÖLFLEX® HEAT 205 C MC PTFE/FEP	

Application

ÖLFLEX® HEAT 205 PTFE/FEP is a cold and heat resistant cable. Besides having excellent mechanical 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. EN IEC 60228, class 5
Insulation	PTFE compound 5YI1 acc. to VDE 0207-6 (polytetrafluoroethylene)
Core identification code	4 cores: blue, red, grey, black 6 cores: white, black, blue, brown, grey, red
Cable assembly	cores twisted together, polyester tape wrapping
Screen	braid of tinned copper, coverage = 85% (nominal value)
Outer sheath	FEP compound 6YM1 acc. to VDE 0207-6, 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: 7.5 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)

Environmental information

These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

Creator: MAIH / PDC	Document: DB30016373EN	Page 1 of 1
Released: ALTE / PDC	Version: 06	