

0091200	DATA SHEET	
valid from: 17.10.2018	ÖLFLEX® HEAT 205 MC	

Application

ÖLFLEX® HEAT 205 MC cables are heat resistant cables. Besides having excellent mechanical and physical properties, ÖLFLEX® HEAT 205 MC cables are characterized by very good electrical values as well as outstanding resistance against oil, weather and UV-radiation. ÖLFLEX® HEAT 205 MC cables are resistant against the action of water, acids, alkalis, solvents, synthetic liquids and oils. The cables are flame retardant.

Design

Conductor	fine wire strands of non-porous tinned copper based on IEC 60228 resp. VDE 0295, Class 5 starting at 0.5 mm ² acc. to IEC 60228 resp. VDE 0295, Class 5
Insulation	stress-crack resistant FEP according to type 6Y11 (VDE 0207 part 6)
Core identification code	acc. to VDE 0293-1, with or without GN/YE ground conductor up to 5 cores: acc. to VDE 0293-308 started at 6 cores: acc. to ÖLFLEX® colour code
Outer sheath	stress-crack resistant FEP according to type 6Y11 (VDE 0207 part 6) colour: black, similar RAL 9005

Electrical properties at 20°C

Rated voltage	U ₀ /U: 300/500 V
Test voltage	2500 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) short-term: up to +220° C
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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