**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 mm² acc. to IEC 60228 resp. VDE 0295, Class 5

Insulation: stress-crack resistant FEP according to type 6YI1 (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 6YI1 (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)