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 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 | U₀/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) |