Application

ÖLFLEX® HEAT 205 SC are heat resistant insulated strands. Besides having excellent mechanical and physical properties, ÖLFLEX® HEAT 205 SC strands are characterized by very good electrical values, outstanding resistance against oil, weather and UV-radiation, as well as having high elasticity and tensile strength of the insulation material. ÖLFLEX® HEAT 205 SC strands are resistant against the action of water, acids, alkalis, solvents, synthetic liquids and oils. The cores are flame retardant.

Design

Conductor: compacted fine wire strands of non-porous tinned copper wires according to IEC 60228, Class 5
Insulation: stress-crack resistant FEP according to type 6Y11 (VDE 0207 part 6)
Core identification code: Available core colours:
  - GN-YE / BK / BU / BN / BG / YE / GN / VT / PK / OG / RD / WH / GR

Electrical properties at 20°C

Rated voltage: \( U_0/U: 300/500 \text{ V} \)
Test voltage: \( 2500 \text{ V AC} \)

Mechanical and thermal properties

Minimum bending radius
- occasional flexing: 10 x outer diameter
- fixed installation: 4 x outer diameter
Temperature range
- fixed installation: \(-100°C \) up to \(+205°C \)
General requirements: These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)