

0080000	DATA SHEET	
valid from: 08.08.2023	ÖLFLEX® HEAT 205 SC	

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.

Design

Conductor	compacted fine wire strands of non-porous tinned copper wires according to IEC 60228 resp. EN 60228, Class 5
Insulation	stress-crack resistant FEP according to type 6YI1 (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

Nominal voltage	U ₀ /U: 300/500 V
Test voltage	2500 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing:	10 x outer diameter
	fixed installation:	4 x outer diameter
Temperature range	occasional flexing:	-100 °C up to +205 °C
	fixed installation:	-100 °C up to +205 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2	

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).

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