

SENSITHERM S.r.l.

Fire Resisting Instrumentation cables
Micatape, XLPE insulated, screened, LSOH outer sheath



Type MICA/XLPE/OSCR/LSOH 300/500 V 2x1,5 mm²

Conductor

Plain annealed copper conductor according to IEC60228 cl. 5.

Insulation

Mica tape over the conductor

Cross-linked Polyethylene compound according to EN 50290-2-29

Thicknes of insulation > 0,7 mm

Identification cores :

Black, Blue

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Core stranded with at least 13 twists/meter

Wrapping of Polyester tape

Screen

Collective screen of plastic bonded alumunium tape with tinned drain wire.

Outer sheath

LSOH compound M1 type according to EN 50290-2-26, black

Thicknes of jacket => 1,8 mm

Overall diameter 11,8±0,3 mm

Marking

Sensitherm - MT/XLPE/OS/LSOH 300/500 V 2x1,5 IEC 60331-21

Performance

Resistance to fire - Circuit Integrity acc. IEC 60331-21

Reaction to fire - Flame propagation a) Test of single cable acc. IEC 60332.1

b) Test on bunched cables acc. IEC 60332-3-24

Minimum bending radius

6 times overall diameter

Technical data & Electrical properties

Temperature range -30 + 90°C

Temperature laying - 5 + 50°C

Conductor resistance : < 13,3 Ohm/Km

Insulation resistance : > 5.000 Mohm x Km

Mutual capacitance : < 0,1 µF/Km

Inductance : < 0,9 mH/Km

Test voltage - Core/core : 2.000 V

- core/screen : 1.000 V

Operating voltage max 500 V