

SENSITHERM S.r.l.

Fire Resisting Control & Power cables
Micatape, G10 insulated, Armoured, LSOH outer sheath



Type

MICA/G10/LSOH/SWB/LSOH 0,6/1 KV 2x1,5 mm²
FTG100M1AM1 0,6/1 KV 2x1,5 mm²

Conductor

Plain annealed copper conductor according to IEC60228 cl. 5.

Insulation

Mica tape over the conductor

LSZH elastomeric compound G10 according to EN 50290-2-29

Thicknes of insulation > 1,0 mm

Identification cores :

Black, Blue

Layin ap

Core stranded with at least 10 twists/meter

Inner Sheath

Halogen Free compound acc. to EN 50290-2-27

Thicknes of jacket => 1,0 mm

Overall diameter 10,7±0,3 mm

Metallic protection

Galvanized steel wire braid acc. IEC 60502-1

Outer sheath

LSOH compound M1 type according to EN 50290-2-27, black

Thicknes of jacket => 1,6 mm

Overall diameter 15,1±0,5 mm

Marking

Sensitherm - MT/G10/LSOH/SWB/LSOH 0,6/1 KV 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

10 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

Test voltage - Core/core : 4.000 V

Operating voltage max 1 KV