

MHS LSZH

MHS LSZH 10x2x0,5

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Pair twisted, halogen free and flame retardant, overall screened telecommunication cable intended for indoor installation.

DESCRIPTION

Design

Pair twisted, screened telecommunication cable with halogen free, flame retardant sheath. MHS-LSZH is designed according to Finnish Standard SFS 5739 and is intended for indoor installation. Fire performance according to CPR class D_{ca}s2d2a2. The cable emits no corrosive gases and has low smoke production during fire.

Quality system

Design, manufacture and testing have been carried out according to the requirements in ISO 9001.

Environmental management system

The activities at our plant in Grimsås are certified to ISO 14001.



DECLARATION OF PERFORMANCE

Reaction to fire: D_{ca}-s2,d2,a2
according to EN50575:2014
+A1:2016

STANDARDS

International IEC 60332-1;
IEC 60754; IEC 61034

National SFS 5739



Reaction to fire
D_{ca}-s2,d2,a2



Halogen free
Yes



Ambient installation T°C range
-10 .. 50 °C



Operating temp.
-15 .. 70 °C



Operation bending rad.
68 mm

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CHARACTERISTICS

Construction characteristics

Colour	Grey
Conductor shape	Single wired
Conductor material	Tinned annealed copper
Insulation	PE
Screen	Aluminium-Polyester tape + tinned copper drain wire
Outer sheath	HFFR (polyolefin)
Halogen free	Yes

Dimensional characteristics

Conductor diameter	0.5 mm
Number of pairs	10
Average sheath thickness	0.9 mm
Nominal outer diameter	8.5 mm
Approximate weight	8.0 kg/100m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	96 Ohm/km
Resistance unbalance DC max % of loop resistance	2 %
Max. capacity pair / core to core	65 nF/km
Capacitance unbalance max.	250 pF/500m
Ohmical resistance of the insulation	10000 MOhm.km
Maximum operating voltage	100 V

Usage characteristics

Length	1000 m
Packaging	K6
Ambient installation temperature, range	-10 .. 50 °C
Operating temperature, range	-15 .. 70 °C
Laying operation bending radius	68 mm

SELLING INFORMATION

MHS LSZH will be delivered in lengths of 100 to 1000 m. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.