

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.



STANDARDS

International IEC 60332-1;
IEC 60754; IEC 61034

National SFS 5739



Halogen free
Yes



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



Operating temp.
-15 .. 70 °C

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
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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
Ohmical resistance of the insulation	10000 MOhm.km
Maximum operating voltage	100 V

Usage characteristics

Ambient installation temperature, range	-10 .. 50 °C
Operating temperature, range	-15 .. 70 °C

PRODUCT LIST

Nexans ref.	Country ref.	Name	Length [m]	Nom. outer diam. [mm]	Approx. weight [kg/100m]
 38568040	0233380	MHS LSZH 1x4x0,5	100	4.6	3.0
 38568098	0233379	MHS LSZH 1x4x0,5	1000	4.6	3.0
 38568145	0233382	MHS LSZH 3x2x0,5	200	6.0	4.0
 38568198	0233381	MHS LSZH 3x2x0,5	1000	6.0	4.0
 38568243	0233384	MHS LSZH 5x2x0,5	150	6.5	5.0
 38568298	0233383	MHS LSZH 5x2x0,5	1000	6.5	5.0
 38568340	0233386	MHS LSZH 10x2x0,5	100	8.5	8.0
 38568398	0233385	MHS LSZH 10x2x0,5	1000	8.5	8.0
 38568498	0233387	MHS LSZH 20x2x0,5	1000	11.0	15.0
 38568598	0233388	MHS LSZH 30x2x0,5	1000	12.0	20.0
 38568698	0233389	MHS LSZH 50x2x0,5	1000	15.0	31.0
 38568798	0233390	MHS LSZH 100x2x0,5	1000	20.0	57.0

 = Make to order,  = In stock

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.