



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

STANDARDS

Test IEC 60332-1; IEC 60754; IEC 61034

National SFS 5739

DESCRIPTION

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_{cas2d2a2}. 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.



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	Nominal outer diameter [mm]	Approximate weight [kg/100m]	Length [m]
 38568243-898-19	0233384	MHS LSZH 5x2x0,5	6.5	5.0	150
 38568698-898-06	0233389	MHS LSZH 50x2x0,5	15.0	31.0	1000
 38568340-898-02	0233386	MHS LSZH 10x2x0,5	8.5	8.0	100
 38568398-898-06	0233385	MHS LSZH 10x2x0,5	8.5	8.0	1000
 38568498-898-06	0233387	MHS LSZH 20x2x0,5	11.0	15.0	1000
 38568798-898-06	0233390	MHS LSZH 100x2x0,5	20.0	57.0	1000
 38568145-898-21	0233382	MHS LSZH 3x2x0,5	6.0	4.0	200
 38568298-898-06	0233383	MHS LSZH 5x2x0,5	6.5	5.0	1000
 38568598-898-06	0233388	MHS LSZH 30x2x0,5	12.0	20.0	1000
 38568040-898-02	0233380	MHS LSZH 1x4x0,5	4.6	3.0	100
 38568098-898-06	0233379	MHS LSZH 1x4x0,5	4.6	3.0	1000
 38568181-898-06	0235793	MHS LSZH 3x2x0,5	6.0	4.0	1000

 = Make to order,  = In stock,

SELLING AND DELIVERY 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.