

# MHS LSZH

MHS LSZH 1x4x0,5

Nexans Ref.: 38568098

Country Ref.: 0233379

EAN 13: 7330000113794

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<sub>ca</sub>s<sub>2</sub>d<sub>2</sub>a<sub>2</sub>. 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

D<sub>ca</sub>-s<sub>2</sub>,d<sub>2</sub>,a<sub>2</sub>

## 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



Operation bending rad.  
40 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	2
Average sheath thickness	- mm
Nominal outer diameter	4.6 mm
Approximate weight	3.0 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.	- pF/500m
Ohmical resistance of the insulation	10000 MOhm.km
Maximum operating voltage	100 V

### Usage characteristics

Length	1000 m
Packaging	K5
Ambient installation temperature, range	-10 - 50 °C
Operating temperature, range	-15 - 70 °C
Laying operation bending radius	40 mm

## 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.