



J-H(St)H

Telecommunication

Control Cables, LSZH



EN 50265-2-1 ; IEC 60332-1; EU 305/2011

RoHS , REACH & CE Directives



Ambient installation T°
C range
0 + 50 °C



Operating temp.
-20 + 60 °C



Storage temperature
range
-20 + 70 °C



Flame retardant
IEC 60332-1



Smoke density

Application

J-H(St)H is a halogen-free, flame-retardant, and shielded telecommunications cable primarily used for building intercoms, telephone extensions, and fire alarm systems. It is designed to protect people and equipment by producing very little smoke and no toxic gases during a fire. Features Low-Smoke Zero-Halogen (LSZH) jacketing. In the event of a fire, it prevents the spread of flames, emits dense, clear smoke, and contains no corrosive acids.

Because of its safety profile, it is heavily favored in environments with high concentrations of people or sensitive equipment, such as:

- Hospitals and care facilities
- Shopping malls and commercial buildings
- Airports, hotels, and public spaces

- High-rise buildings and data centers

CE-The product is confirmed with the EC Low-Voltage Directive 2014/35/EU

J-H(St)H Construction:

Conductor material:	Solid bare copper class 1
Core Insulation:	Halogen free compound HI2
Core wrapping:	Polyester tape
Overall shielding	Plastic Aluminum-laminated foil
Outer insulation	Halogen free, flame retardant HM2
	Flame retardant according to EN 60332-1-2
Sheath color	Grey (RAL 7032)

Technical Data:

Insulation resistance:	MΩ x km min. 100
Loop resistance:	at 0.6m: max. 130 Ohm/km, at 0.8 m: max. 73 Ohm/km
Cable attenuation:	at 800Hz max. 1.5 dB/km
Capacitance coupling for 100 m max.	pF ≤300
Operating voltage:	300 V
Test voltage at 50 Hz	800 V
	core / core
	core / screen
Temperature range (for flexible use)	800 V
(fixed installation)	-5°C to +50 °C
Bending radius	-30°C to +70 °C
	in motion
	15 x cable diameter
	Fixed installation:
	7.5 x cable diameter

J-H(St)H

Dimensions:

Cable Description	Nominal Cable Diameter (mm)	Nominal Cable Weight (kg/km)	packaging
1 x 2 x 0.6	4.3-4.4	22-23	100/500
2 x 2 x 0.6	4.9-5.0	35-36	100/500
3 x 2 x 0.6	6.1-6.3	47-49	500
4 x 2 x 0.6	6.6-6.8	56-58	500
5 x 2 x 0.6	7.0-7.2	57-59	500
6 x 2 x 0.6	7.5-7.7	65-68	500
1 x 2 x 0.8	4.6-4.7	27-29	500
2 x 2 x 0.8	6.1-6.2	52-54	500
3 x 2 x 0.8	8.0-8.2	75-77	500
4 x 2 x 0.8	8.6-8.8	92-94	500
5 x 2 x 0.8	9.3-9.5	110-112	500
6 x 2 x 0.8	10.1-10.3	132-135	500



The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.