J-H(St)H...Lg



Areas of Use

Fire alarm and telecommunication installation cables with electrostatic screen for information processing, signal transmission, voice communication and telephone stations for indoor applications. The static screen protects the signal from external electrical interference. J-H(St)H...Lg cables are halogen-free flame retardant insulated and sheathed.

Cable Construction

Conductor	Annealed Solid Copper (IEC/EN 60228)
Insulation	HFFR (EN 50290-2-26)
Core Colors	TS 13767, VDE 0815
Lay-up	Two cores twisted in pair and pairs stranded together (2 pairs cables are star quad lay-up)
Separator	PET Foil
Drain Wire	Solid Tinned Copper Wire
Screen	Al-PET Foil
Outer Sheath	HFFR (EN 50290-2-27), RAL 7032 - Grey or RAL 3000 - Red
Reference Standards	TS 13767, VDE 0815
CPR Classes	B2ca s1a d1 a1

Technical Properties

Operating Voltage	300 V
Test Voltage	800 V
Insulation Resistance	>100 M.Ωxkm
Capacitance (@800Hz)	≤120 nF/km (capacitance values may increase by 20% up to 4 pair)
Loop Resistance	0.60 mm..... ≤130.0 Ω/km; 0.80 mm ..... ≤73.2 Ω/km 1.12 mm.....≤36.0 Ω/km; 1.37 mm ..... ≤24.0 Ω/km; 1.75 mm.....≤14.5 Ω/km
Temperature Range	-30 °C.....+70 °C
Flame Retardancy	IEC/EN 60332-1
Smoke Density	IEC/EN 61034-2
Amount of Halogen Acid Gas	IEC/EN 60754-1
Corrosive Gases Measurement	IEC/EN 60754-2
Min. Bending Radius (Fixed)	8 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x2x0.8 + 0.8	5.3	14	43
2x2x0.8 + 0.8	6.0	24	60

3x2x0.8 + 0.8	7.8	33	85
4x2x0.8 + 0.8	8.4	42	102
5x2x0.8 + 0.8	9.2	52	120
6x2x0.8 + 0.8	10.0	61	139
8x2x0.8 + 0.8	10.8	80	172
10x2x0.8 + 0.8	12.6	99	210
12x2x0.8 + 0.8	13.0	118	240
14x2x0.8 + 0.8	14.0	137	285
16x2x0.8 + 0.8	14.7	156	317
20x2x0.8 + 0.8	16.3	193	384
30x2x0.8 + 0.8	19.6	288	563
40x2x0.8 + 0.8	21.9	382	721
1x2x1 + 0.8	5.9	19	53
2x2x1 + 0.8	6.7	34	80
1x2x1 mm ² + 0.8	6.2	23	59
2x2x1 mm² + 0.8	7.0	42	90
1x2x1.5 mm² + 0.8	6.9	32	74
2x2x1.5 mm² + 0.8	7.9	60	116
4x2x1.5 mm² + 0.8	11.5	115	210
7x2x1.5 mm² + 0.8	14.1	198	346

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