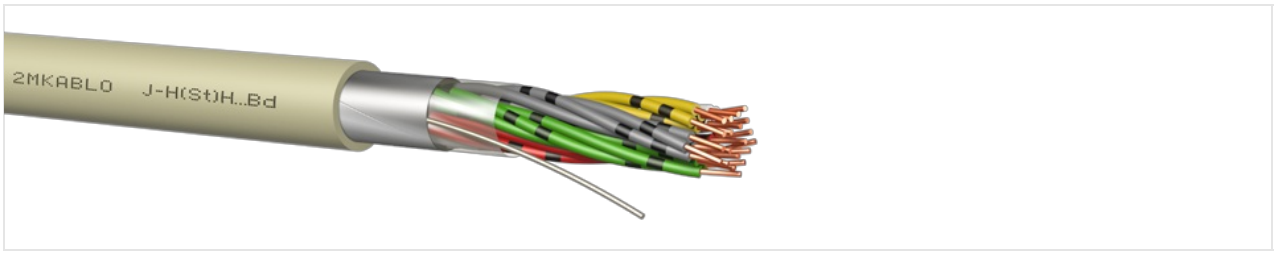
J-H(St)H...Bd



Areas of Use

Halogen-free installation cables according to VDE 0815 with the electrostatic screen are used telecommunication, measurement and information/data process systems. This halogen-free flame retardant cable type has low smoke emission and no corrosive gases during a fire.

Cable Construction

Conductor	Annealed Solid Copper (IEC/EN 60228)
Insulation	HFFR (EN 50290-2-26)
Core Colors	TS 13767, VDE 0815
Lay-up	5 star quads laid up to a bundle, bundles laid up in layers
Separator	PET Foil
Drain Wire	Solid Tinned Copper Wire
Screen	Al-PET Foil
Outer Sheath	HFFR (EN 50290-2-27), RAL 7032 - Grey
Reference Standards	TS 13767, VDE 0815

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 Ω/km; 0.80 mm ..... ≤73.2 Ω/km
Temperature Range	-30 °C.....+70 °C
Flame Retardancy	IEC/EN 60332-1
Smoke Density	IEC/EN 61034-2
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)
2x2x0.6 + 0.6	5.1	14	43
4x2x0.6 + 0.6	6.9	25	70
6x2x0.6 + 0.6	7.6	37	91
10x2x0.6 + 0.6	8.9	59	133
20x2x0.6 + 0.6	16.1	116	270
30x2x0.6 + 0.6	17.1	172	361

40x2x0.6 + 0.6	19.2	229	476
50x2x0.6 + 0.6	21.2	285	575
60x2x0.6 + 0.6	22.5	342	669
80x2x0.6 + 0.6	25.7	455	886
100x2x0.6 + 0.6	26.7	568	1061
2x2x0.8 + 0.8	6.0	25	64
4x2x0.8 + 0.8	8.5	45	108
6x2x0.8 + 0.8	9.4	65	143
10x2x0.8 + 0.8	11.2	105	213
20x2x0.8 + 0.8	21.0	206	454
30x2x0.8 + 0.8	22.4	306	614
40x2x0.8 + 0.8	25.1	407	807

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