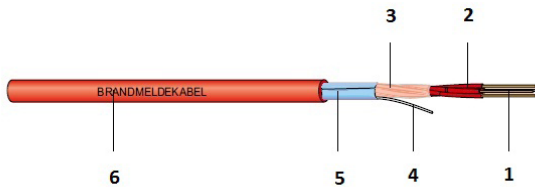


## J-H(St)H...Bd fire alarm

Fire alarm cable, max. 300V

halogen-free, with improved fire characteristics,  
VDE 0815



- 1 Conductor: solid
- 2 Insulation: halogen-free polymer compound
- 3 Separator: plastic tape
- 4 Drain wire: tinned copper
- 5 Shielding: Al-laminated plastic foil
- 6 Sheath: FRNC/LSZH



### Description

Installation cable with electrostatic shield for areas vulnerable to fire and with high concentration of people and property value. For ICT systems for lossless data and signal transmission. Suitable for laying in dry and humid rooms, on-wall and in-wall, also for outdoor use. No underground laying. Not to be used for high-voltage transmission.

Permitted operating temperature at conductor of +70°C.

### Construction

Conductor	Bare copper, solid, 0.6 or 0.8 mm diameter
Core colours	DIN VDE 0815
Insulation	Halogen-free polymer compound, EN 50290-2-26
Outer sheath material	Halogen-free polymer compound, EN 50290-2-27
Shielding	Al-laminated plastic foil with drain wire, copper tinned
Stranding	Cores twisted to star-quads and quads to units

### General Properties

Installation temperature	-5 °C - +50 °C
Operating temperature	-30 °C - +70 °C

### Electrical properties

Capacitive coupling 0,6 mm, 100m @ 800Hz	300 pF/km
Capacitive coupling 0,8 mm, 100m @ 800Hz	200 pF/km
Maximum loop resistance 0,6 mm	130 Ω/km
Maximum loop resistance 0,8 mm	73.2 Ω/km
Minimum insulation resistance	100 MΩ x km
operating capacity, 1km @ 800Hz	120 nF/km
peak voltage	300 V
Test voltage 50Hz, Core/Core	800 V

Test voltage 50Hz, Core/Screen	800 V
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## Mechanical properties

Minimum bending during installation (multi core)	7.5 x D
Minimum bending radius permanent (multi core)	2.5 x D

## Standards

Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Flame Propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
Flame Spread	IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Art.104-F2
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD

## Note

Additional dimensions available on request.

## Versions

Material number	Product	Outer sheath colour	Outer sheath diameter [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Packing unit
157892	J-H(St)H...Bd fire alarm 2x2x0.8 mm	red	6.5	25	59	0.16	by the metre
157893	J-H(St)H...Bd fire alarm 4x2x0.8 mm	red	8.5	45	111	0.29	by the metre
157894	J-H(St)H...Bd fire alarm 6x2x0.8 mm	red	10.5	65	132	0.35	by the metre
157895	J-H(St)H...Bd fire alarm 10x2x0.8 mm	red	13	106	216	0.55	by the metre
1172017	J-H(St)H...Bd fire alarm 20x2x0.8 mm	red	15.5	206	508	1.21	by the metre
1172018	J-H(St)H...Bd fire alarm 30x2x0.8 mm	red	16.3	307	599	1.36	by the metre
1172019	J-H(St)H...Bd fire alarm 40x2x0.8 mm	red	16.5	407	787	1.67	by the metre
1172021	J-H(St)H...Bd fire alarm 80x2x0.8 mm	red	31.5	809	1,476	3.18	by the metre
1172022	J-H(St)H...Bd fire alarm 100x2x0.8 mm	red	38	1,010	1,805	4.07	by the metre