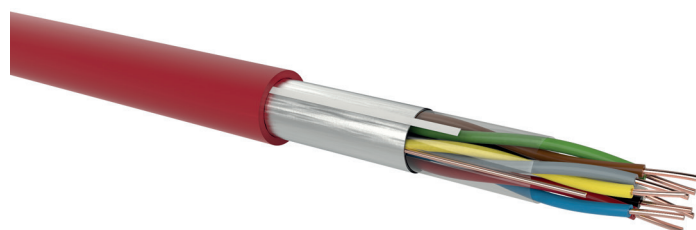


JB-H(St)H...Bd

Fire alarm cable, halogen-free, screened

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (halogen-free polymer compound), cores pair stranded, pairs stranded into bundl
- 3 | Inner covering (halogen-free plastic foil)
- 4 | Screen (plastic tape laminated with aluminium foil with drain wire)
- 5 | Sheath (halogen-free polymer compound red, with the marking "Brandmeldeleitung" (fire alarm cable))

APPLICATION

For use in fire alarm systems. Preferably for indoor applications but also for permanent outdoor installation under protection against solar radiation. Not usable as power cable and/or in earth.

TECHNICAL DATA



Standard:
adapted to DIN VDE 0815



Rated voltage:
max. 300 V



Test voltage:
800 V (core/core) / 50 Hz
800 V (core/screen) / 50 Hz



Temperature range:
laying temperature: min. -5 °C
fixed: -30 °C up to 70 °C
moved: -5 °C up to 50 °C



Bending radius (min.):
7.5 x Ø of wire



Core identification:
DIN VDE 0815



Fire properties:
EN 60332-1-2: flame retardant
EN 60754-1 and 2: halogen-free; non-corrosive combustion gases
EN 60332-3-22 and 24: reduced flame propagation
EN 61034-2: low smoke emission

ELECTRICAL PARAMETERS

Conductor diameter	(mm)	0.8
Loop resistance, max.	(Ω/km)	73.2
Insulation resistance, min. at 20 °C	(MΩ.km)	100
Mutual capacitance, max. at 800 Hz (up to 4 pairs)	(nF/km)	144
Mutual capacitance, max. at 800 Hz	(nF/km)	120
Capacitance unbalance K_9 - K_{12} , max. at 800 Hz (80% of values)	(pF/100m)	200
Capacitance unbalance K_9 - K_{12} , max. at 800 Hz (100% of values)	(pF/100m)	300

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
JB-H(St)H...Bd			
1 x 2 x 0.8	5.4	37	500 D, 1000 D
2 x 2 x 0.8	5.9	52	500 D, 1000 D
4 x 2 x 0.8	11.0	124	500 D, 1000 D
6 x 2 x 0.8	11.5	152	500 D, 1000 D
10 x 2 x 0.8	13.5	214	500 D, 1000 D

JB-H(St)H...Bd

Fire alarm cable, halogen-free, screened

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
JB-H(St)H...Bd			
20 x 2 x 0.8	16.0	336	500 D, 1000 D
30 x 2 x 0.8	19.5	490	500 D, 1000 D
40 x 2 x 0.8	22.0	625	500 D, 1000 D
50 x 2 x 0.8	25.0	788	500 D, 1000 D
60 x 2 x 0.8	27.0	924	500 D, 1000 D
80 x 2 x 0.8	30.5	1218	500 D, 1000 D
100 x 2 x 0.8	34.0	1500	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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