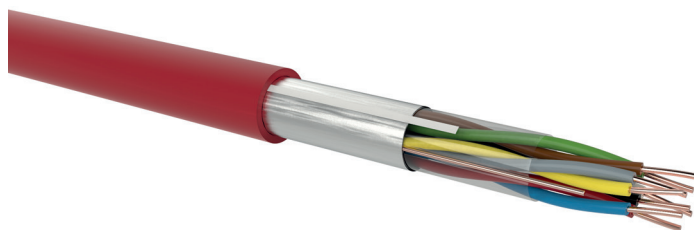


JB-H(St)H...Bd FE180/E90

Fire alarm cable, with insulation integrity FE180 and circuit integrity E90, 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 where functional integrity is required. Predominantly for indoor applications, but also for fixed installation outdoors if protected from sunlight. Not suitable for power installations and underground laying.

TECHNICAL DATA



Standard:
adapted to DIN VDE 0815



Operating voltage:
max. 225 Vss



Test voltage:
500 Veff (core/core) / 50 Hz
2000 Veff (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 cable



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
IEC 60331-21, DIN VDE 0472-814: insulation integrity FE 180
DIN 4102-12: circuit integrity E90

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)	400

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 FE180/E90			
1 x 2 x 0.8	7.7	75	500 D, 1000 D
2 x 2 x 0.8	8.5	83	500 D, 1000 D
4 x 2 x 0.8	11.5	138	500 D, 1000 D

JB-H(St)H...Bd FE180/E90

Fire alarm cable, with insulation integrity FE180 and circuit integrity E90, 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 FE180/E90			
8 x 2 x 0.8	15.0	243	500 D, 1000 D
12 x 2 x 0.8	18.5	351	500 D, 1000 D
16 x 2 x 0.8	20.5	441	500 D, 1000 D
20 x 2 x 0.8	24.0	557	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

18.8.2022, 16:00