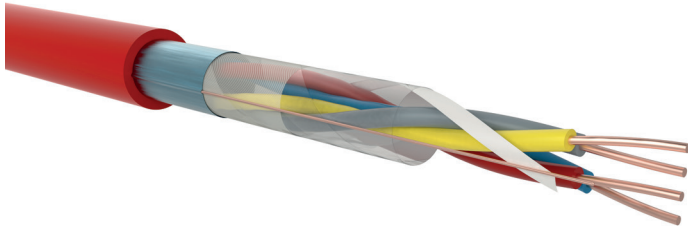


JE-H(St)H...Bd FE180/E90 RED

SiR/FRNC halogen-free installation cable with insulation integrity and circuit integrity, screened

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (silicone rubber), cores pair stranded, marking with green thread
- 3 | Inner covering (plastic tape)
- 4 | Screen (plastic laminated aluminium tape with drain wire)
- 5 | Sheath (halogen-free polymer compound, red)

APPLICATION

Measuring and control cable providing functional integrity in the event of fire. Not designed for laying in earth or water. Not UV and water resistant.

TECHNICAL DATA



Standard:
adapted to DIN VDE 0815



Rated voltage:
max. 225 Vss



Test voltage:
core / core 500 V / 50 Hz
core / screen 2 kV / 50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -30 °C up to 70 °C



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



Core identification:
DIN VDE 0815



Fire properties:
EN 60332-1-2: flame retardant
EN 60754-2: halogen-free, non-corrosive combustion gases
EN IEC 60332-3-24: reduced flame propagation
EN 61034-2: low smoke emission
IEC 60331-21: insulation integrity FE180
DIN 4102-12: circuit integrity E90



Certificate:
VDE Germany

Electrical Properties

Conductor diameter	(mm)	0.8
Loop resistance, max.	(Ω/km)	73.2
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, max. at 800 Hz (80% of values)	(pF/500m)	200
Capacitance unbalance k, max. at 800 Hz (100% of values)	(pF/500m)	400
Insulation resistance, min.	(GΩ.km)	100

Number of cores x element x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
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1 x 2 x 0.8	7.3	63	100 R, 1000 D
2 x 2 x 0.8	8.1	86	100 R, 1000 D

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Number of cores x element x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
JE-H(St)H...Bd FE180/E90 RED			
4 x 2 x 0.8	11.3	140	100 R, 1000 D
8 x 2 x 0.8	13.9	225	100 R, 1000 D
12 x 2 x 0.8	16.3	307	500 D, 1000 D
16 x 2 x 0.8	18.3	386	500 D, 1000 D
20 x 2 x 0.8	20.5	482	500 D, 1000 D
24 x 2 x 0.8	21.9	553	500 D, 1000 D
28 x 2 x 0.8	23.8	621	500 D, 1000 D
32 x 2 x 0.8	25.3	734	500 D, 1000 D
36 x 2 x 0.8	26.9	804	500 D, 1000 D
40 x 2 x 0.8	28.0	876	500 D, 1000 D
52 x 2 x 0.8	31.0	1108	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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