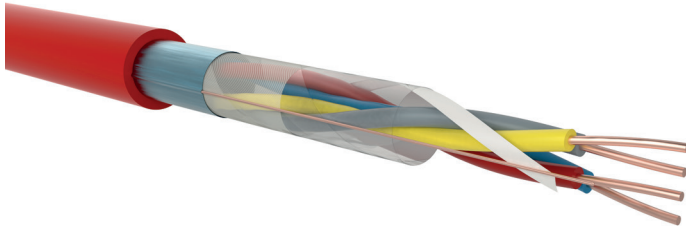


JE-H(St)H...Bd FE180/E30 RED

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 E30



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/100m)	200
Capacitance unbalance k, max. at 800 Hz (100% of values)	(pF/100m)	400
Insulation resistance, min.	(MΩ.km)	100

Number of cores x element x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
JE-H(St)H...Bd FE180/E30 RED			
1 x 2 x 0.8	7.1	62	100 R, 1000 D
2 x 2 x 0.8	7.9	84	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
JE-H(St)H...Bd FE180/E30 RED			
4 x 2 x 0.8	11.1	138	100 R, 1000 D
8 x 2 x 0.8	13.7	224	100 R, 1000 D
12 x 2 x 0.8	16.1	305	500 D, 1000 D
16 x 2 x 0.8	18.1	384	500 D, 1000 D
20 x 2 x 0.8	20.3	480	500 D, 1000 D
24 x 2 x 0.8	21.7	549	500 D, 1000 D
28 x 2 x 0.8	23.6	619	500 D, 1000 D
32 x 2 x 0.8	25.1	733	500 D, 1000 D
36 x 2 x 0.8	26.5	803	500 D, 1000 D
40 x 2 x 0.8	27.8	874	500 D, 1000 D
52 x 2 x 0.8	30.8	1106	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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