



JE-H(St)H...Bd FE180/E30 RAL3020

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

FRNC CABLES WITH CIRCUIT INTEGRITY

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	 Bending radius (min.) 7,5 x Ø of cable	 Core identification DIN VDE 0815
 Certificate VDE Germany	 Fire properties EN 60332-1-2: self-extinguishing EN 60754-2: halogen-free, non-corrosive combustion gases EN 61034-2: low smoke emission EN 60332-3-22: reduced flame propagation IEC 60331-23: insulation integrity FE180 DIN 4102-12: circuit integrity E30	 Temperature range Laying temperature: min. -5°C Operating temperature: -30°C up to 70°C
 Test Voltage core/core 500 V / 50 Hz core/screen 2000 V / 50 Hz		
 Rated Voltage max. 225 Vss		

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)

Electrical parameters

Loop resistance max	Ω/km	73.2
Mutual capacitance, max.	nF/km	120
Capacitance unbalance, max. k	pF/500m	400
Conductor diameter	mm	0.8
Insulation resistance, min. at 20 °C	MΩ/km	100
Mutual capacitance (approx. value), at 800 Hz	nF/km	144

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 2 x 0.8	7.1	62
2 x 2 x 0.8	7.9	84
4 x 2 x 0.8	11.1	138
8 x 2 x 0.8	13.7	224
12 x 2 x 0.8	16.1	305
16 x 2 x 0.8	18.1	384
20 x 2 x 0.8	20.3	480
32 x 2 x 0.8	25.1	733
52 x 2 x 0.8	30.8	1106

CONTACT PERSON

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