We Make Modern Life Possible.

SAFETY CABLES

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



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

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

Certificate
VDE Germany

Test Voltage
core/core 500 V / 50 Hz
core/screen 2000 V / 50 Hz

Rated Voltage
max. 225 Vss

Bending radius (min.)
7,5 x Ø of cable

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
DIN 4102-12: circuit integrity

Core identification
DIN VDE 0815

Temperature range
Laying temperature: min. -5°C
Operating temperature: -30°C up to 70°C

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, orange)

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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

Technical changes reserved. All figures are therefore without guarantee.

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