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SAFETY CABLES

JE-H(St)H...Bd FE180/ E30-E90 BMK red

halogen-free installation control cable with insulation integrity and circuit integrity, screened, VDE Reg. Nr. 8553

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
IEC 60331-23: insulation integrity FE180
DIN 4102-12: circuit integrity E30-E90

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, red)

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

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 2 x 0.8	7.3	63
2 x 2 x 0.8	8.1	86
4 x 2 x 0.8	11.3	140
8 x 2 x 0.8	13.9	225
12 x 2 x 0.8	16.3	307
16 x 2 x 0.8	18.3	386
20 x 2 x 0.8	20.5	482
32 x 2 x 0.8	25.3	734
40 x 2 x 0.8	28.0	909
52 x 2 x 0.8	31.0	1108

CONTACT PERSON

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