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TELECOMMUNICATION, FIRE SIGNALING AND ELECTRONIC CABLES

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

Fire alarm cable, with insulation integrity
FE180 and circuit integrity E30, screened



TECHNICAL DATA



Standard
adapted to DIN VDE 0815



Test Voltage
2000 Veff (core/screen)



Rated Voltage
max. 225 Vss



Bending radius (min.)
7,5 x Ø der Leitung



Fire properties
DIN 4102-12: circuit integrity E30



Core identification
DIN VDE 0815



Temperature range
Laying temperature: min. -5°C

DESIGN



Electrical parameters

Conductor diameter	mm	0.8
Loop resistance max	Ω/km	73.2
Insulation resistance, min. at 20 °C	MΩ/km	100
Mutual capacitance (approx. value), at 800 Hz	nF/km	144
Mutual capacitance, max.	nF/km	120
Capacitance unbalance, max. k	pF/500m	200
Capacitance unbalance at 800 Hz, k1 max.	pF/km	400

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
1 x 2 x 0,8	7.1	61	500 T, 1000 T
2 x 2 x 0,8	7.5	65	500 T, 1000 T
4 x 2 x 0,8	9.5	104	500 T, 1000 T
8 x 2 x 0,8	11.5	165	500 T, 1000 T
12 x 2 x 0,8	13.0	235	500 T, 1000 T
16 x 2 x 0,8	15.0	300	500 T, 1000 T
20 x 2 x 0,8	16.5	361	500 T, 1000 T
52 x 2 x 0,8	27.6	906	500 T, 1000 T
32 x 2 x 0,8	20.5	554	500 T, 1000 T

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