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Life Possible

TELECOMMUNICATION, FIRE SIGNALING AND ELECTRONIC CABLES

JB-H(St)H...Bd FE180/E90

Fire alarm cable, with insulation integrity
FE180 and circuit integrity E90, 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
EN 60332-3-22 and 24: reduced flame propagation



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	$M\Omega/\text{km}$	100
Mutual capacitance, max.	nF/km	144
Mutual capacitance (approx. value), at 800 Hz	nF/km	120
Capacitance unbalance earth/core at 800 Hz, ea1, ea2 max.	pF/km	200
Capacitance unbalance, max. k	pF/500m	400

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
1 x 2 x 0.8	7.7	75	500 T, 1000 T
2 x 2 x 0.8	8.5	83	500 T, 1000 T
4 x 2 x 0.8	11.5	138	500 T, 1000 T
8 x 2 x 0.8	15.0	243	500 T, 1000 T
12 x 2 x 0.8	18.5	351	500 T, 1000 T
16 x 2 x 0.8	20.5	441	500 T, 1000 T
20 x 2 x 0.8	24.0	557	500 T, 1000 T

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