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SAFETY CABLES

# JE-H(St)H...Bd FE180/ E90 red, Fire alarm cable

Fire alarm cable, with insulation integrity  
FE180 and circuit integrity E90, screened



## TECHNICAL DATA



**Standard**  
adapted to DIN VDE 0815



**Rated Voltage**  
max. 225 Vss



**Test Voltage**  
2000 Veff (core/screen)



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



**Core identification**  
DIN VDE 0815



**Fire properties**  
EN 60332-3-22 and 24: reduced flame propagation



**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, 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                |

## CONTACT PERSON

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