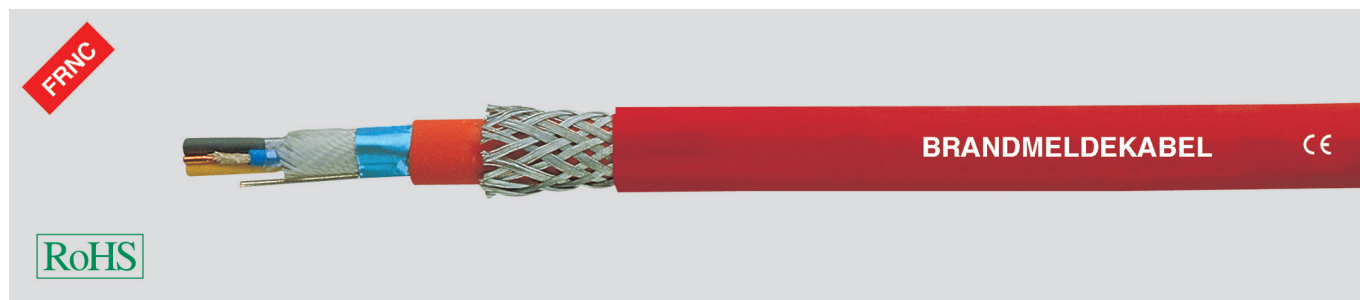


JE-H(St)HRH Bd fire warning cable, FE 180/E 30 to E 90, halogen-free



Technical data

- Special insulation for cores and outer sheath adapted to DIN VDE 0815.
- **Loop resistance**
max. 73,2 Ohm/km
- **Temperature range**
flexing -5°C to +50°C
fixed installation -30°C to +70°C
- **Operating peakvoltage**
max. 225 V (not for purposes of high current and power installation)
- **Test voltage**
core/core 500 V
core/screen 2000 V
- **Insulation resistance**
min. 100 MOhm x km
- **Mutual capacitance**
max. 120 nF/km at 800 Hz
- **Minimum bending radius**
6x cable Ø
- **Caloric load values**
see Technical Informations

Cable structure

- Bare copper-conductor, single-wire
- Core insulation of cross-linked polymer, compound type H11 with mica tape, flame retardant
- Core identification with colour rings and ring-groups to DIN VDE 0815
- Cores twisted to pairs, each 4 pairs consist to unit, several units stranded to layers
- Units identified with numbered tape
- Glass-fibre taped
- Screening with alu-laminated polyester tape
- solid copper drain wire 0,8 mm Ø
- Inner sheath, flame retardant polyolefin compound to DIN VDE 0207 part 24 HM3
- Galvanized steel wire braided screen
- Outer sheath of polyolefin compound type HM2 to DIN VDE 0207 part 24
- Outer sheath red (RAL 3000) with imprint "BRANDEMELDEKABEL"

Tests

- Flame test acc. to
DIN VDE 0482-332-3, BS 4066 part 3,
DIN EN 60332-3, IEC 60332-3 (previously
DIN VDE 0472 part 804 test method C)
- Corrosiveness of combustion gases
acc. to DIN VDE 0482 part 267,
DIN EN 50267-2-2, IEC 60754-2
(equivalent DIN VDE 0472 part 813)
- Smoke density acc. to DIN VDE 0482
part 1034-1+2, DIN EN 61034-1+2,
IEC 61034-1+2, BS 7622 part 1+2
(previously DIN VDE 0472 part 816)

Note

- **E 30 to E 90**
Functionality is dependant on installation technique.
- **LS0H** = Low Smoke Zero Halogen

Properties

- No fire propagation
- Low smoke density
- Not for purposes of high current and power installation as well as underground laying
- **FE 180: Insulation integrity** for 180 minutes. Tests acc. to DIN VDE 0472 part 814 Δ IEC 60331.
Insulation integrity under direct flame propagation for the test period of 180 minutes.
- **E 30: Functionality** of electrical cable systems for minimum 30 minutes. Test to DIN 4102 part 12.
The **functionality** for 30 minutes assures when persons and animals are to be saved from a burning building. 30 minutes secures the functional performance of the fire warning and alarm systems, safety and spare lighting, passenger lifts with evacuation circuits, except the cables which are installed within the ladder shafts and engine rooms.
- **E 90: Functionality** of electrical cable systems for minimum 90 minutes. Test method to DIN 4102 part 12.
The **functionality** for 90 minutes assures the functional performance of water-pressure-rising stations for the supply to avoid smoke and heat in safety-stairs and inner rooms, ladder shafts and engine rooms for fire brigade lifts, emergency lifts for sickbeds in hospitals and the fire brigade lifts.

Application

Wherever necessary to prevent high property value in case of fire damage to human and material. The static screen prevents strong interference impulse. Suitable for fixed installation everywhere, where in case of fire human life and material assets are to be protected and a safety consciousness take a special significance, e. g. in industrial complexes, public buildings, hotels, airports, under ground railway networks, hospitals.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. pairs x cross-sec. mm	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	
34075	2 x 2 x 0,8	11,7	25,0	150,0	-
34076	4 x 2 x 0,8	15,7	45,0	275,0	-
34077	8 x 2 x 0,8	21,6	85,0	545,0	-
34078	12 x 2 x 0,8	23,8	126,0	602,0	-
34079	16 x 2 x 0,8	27,7	166,0	734,0	-

Part no.	No. pairs x cross-sec. mm	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	
34080	20 x 2 x 0,8	28,9	206,0	870,0	-
34072	32 x 2 x 0,8	41,1	326,0	1360,0	-
34073	40 x 2 x 0,8	42,3	407,0	1800,0	-
34074	52 x 2 x 0,8	45,2	529,0	2038,0	-

Dimensions and specifications may be changed without prior notice. (RQ02)