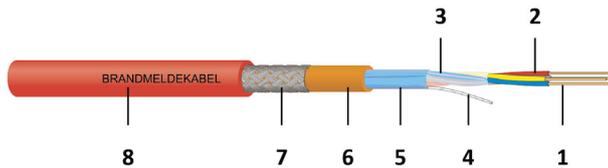


## JE-H(St)HRH...Bd FE180 E30-E90 fire alarm

Fire alarm cable with steel wire braiding, max. 225V, Keram

halogen-free, with improved fire characteristics,  
with reference to VDE 0815,  
circuit integrity (FE180) in accordance with VDE 0472-814, IEC 60331, EN 50200,  
System Circuit Integrity E30-E90\* in accordance with DIN 4102-12



- 1 Conductor: solid
- 2 Insulation: cross-linked polymer, halogen-free
- 3 Drain wire: copper, Ø 0.8 mm
- 4 Inner covering: plastic tape, halogen-free
- 5 Shielding: Al-laminated plastic foil, halogen-free
- 6 Inner sheath: FRNC/LS0H
- 7 Armouring: galvanised steel wire band
- 8 Sheath: FRNC/LS0H



### Descrizione

Cables with intrinsic fire resistance are installed in all areas that require special protection of people and equipment against fire and fire damages and where strict security requirements must be fulfilled. Suitable for indoor applications. For outdoor applications, protection must be provided against exposure to direct sunlight. The steel wire braiding serves as mechanical protection. The fire alarm cables correspond to the demands of System Circuit Integrity E30-E90\* in accordance with DIN 4102-12. System Circuit Integrity is guaranteed at an operating voltage up to 110V.

Permitted operating temperature at conductor of +70°C.

### Costruzione

Conduttore	Bare copper, solid, 0.8 mm diameter, VDE 0815
Isolamento	Fire-resistant, cross-linked, high-performance Keram special compound, EN 50290-2-36
Colori delle anime	VDE 0815
Shielding	Al-laminated tape with copper drain wire Ø 0.8 mm
Guaina interna	Flame retardant polyolefin compound, VDE 0819-107, EN 50290-2-27 and VDE 0250-214 "HM2"
Armatura (protezione per roditori)	Galvanised steel wire braid
Materiale della guaina esterna	Flame retardant polyolefin compound VDE 0819-107, EN 50290-2-27 and VDE 0250-214 "HM 2"

### Proprietà generali

Integrità del circuito	E90
Integrità dell'isolamento	FE 180
Installation temperature	-5 °C - +50 °C
Operating temperature	-30 °C - +70 °C

## Proprietà elettriche

Capacitive coupling 0,8 mm, 100m @ 800Hz	200 pF/km
Minimum insulation resistance	100 MΩ x km
operating capacity, 1km @ 800Hz	120 nF/km
peak voltage	225 V
resistenza massima del loop 0,8 mm	73,2 Ω/km
Test voltage 50Hz, core/core	500 V
Test voltage 50Hz, core/screen	2.000 V

## Proprietà meccaniche

Curvatura minima durante l'installazione (multicore)	7.5 x D
Minimum bending radius permanent (multi core)	7.5 x D
Resistenza minima allo schiacciamento / 10cm	1.000 N

## Standards

Integrità del circuito	IEC 60331-11/-21 (180 minutes), VDE 0472-814 (FE180), BS 6387 C/W/Z, IEC 60331-1 (120 minutes), IEC 60331-2 (120 minutes), EN 50200 (PH120 minutes), VDE 0482-200 (PH120), AREI-RGIE Art.104-FR1
Integrità del circuito di sistema	DIN 4102-12, AREI-RGIE Art.104-FR2
Densità del fumo	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD
Zero alogeni nessun gas corrosivo	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Propagazione della fiamma	AREI-RGIE Art.104-F1, EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2
Flame spread	IEC 60332-3-22/-24, EN 60332-3-22/-24, VDE 0482-332-3-22/-24, AREI-RGIE Art.104-F2

## Nota

System Circuit Integrity dependent on installation method.

## Versioni

Codice art.	Prodotto	Colore della guaina esterna	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Unità di imballaggio	GTIN / EAN
188119	JE-H(ST)HRH...Bd FE180 E30-E90 fire alarm 2x2x0,8 mm	rosso	9,2	25	124	0,26	al metro	40393910072921
188120	JE-H(ST)HRH...Bd FE180 E30-E90 fire alarm 4x2x0,8 mm	rosso	12	45	191	0,39	al metro	40393910072914
188127	JE-H(ST)HRH...Bd FE180 E30-E90 fire alarm 8x2x0,8 mm	rosso	18,2	85	418	0,93	al metro	40393910072877
188128	JE-H(ST)HRH...Bd FE180 E30-E90 fire alarm 12x2x0,8 mm	rosso	19,1	126	489	1,01	al metro	40393910072860
188129	JE-H(ST)HRH...Bd FE180 E30-E90 fire alarm 20x2x0,8 mm	rosso	22,5	206	679	1,32	al metro	40393910072853
188346	JE-H(ST)HRH...Bd FE180 E30-E90 fire alarm 32x2x0,8 mm	rosso	26,7	326	911	1,72	al metro	40393910072365

Additional dimensions available on request.

