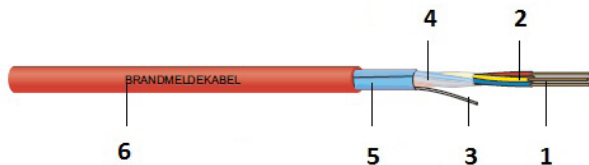


## JE-H(St)H...Bd FE180 E30-E90 fire alarm

Fire alarm cable, 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, zero halogen
- 3 Drain wire: Ø 0.8 mm
- 4 Separator: plastic tape, zero halogen
- 5 Shielding: Al-laminated tape, zero halogen
- 6 Sheath: FRNC/LSZH



### 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 cable should only be laid directly in earth or water if a protective conduit is used. These 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

Colori delle anime	DIN VDE 0815
Conduttore	Bare copper, solid, 0.8 mm diameter, VDE 0815
Isolamento	Fire-resistant, cross-linked, high-performance Keram special compound, EN 50290-2-36
Shielding	Al-laminated tape with copper drain wire Ø 0.8 mm

### Proprietà generali

Integrità del circuito	E90
Integrità dell'isolamento	FE 180
Installation temperature	-5 °C - +50 °C
Operating temperature	-30 °C - +70 °C
Materiale della guaina esterna	Flame retardant polyolefin compound VDE 0819 part 107, EN 50290-2-27 and VDE 0250-214 "HM 2"

## 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 (FE180)	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), NBN 713-020 (Rf 1 1/2), VDE 0482-200 (PH120), VDE 0482-362, AREI-RGIE Art.104-FR1
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 Cat. A/C, EN 60332-3-22/-24 Cat. A/C, VDE 0482-332-3-22/-24 Cat. A/C, AREI-RGIE Art.104-F2
Densità del fumo	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD
Integrità del circuito di sistema	DIN 4102-12, AREI-RGIE Art.104-FR2

## Nota

System Circuit Integrity is dependent on installation method.

## Versioni

Codice art.	Prodotto	Colore della guaina esterna	Numero di core	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Unità di imballaggio
188093	JE-H(ST)H...Bd FE180 E30-E90 fire alarm 1x2x0,8 mm	rosso	2	5,6	15	42	0,095	al metro
188098	JE-H(ST)H...Bd FE180 E30-E90 fire alarm 2x2x0,8 mm	rosso	2	6,3	25	59	0,123	al metro
188101	JE-H(ST)H...Bd FE180 E30-E90 fire alarm 4x2x0,8 mm	rosso	2	9	45	101	0,21	al metro
188103	JE-H(ST)H...Bd FE180 E30-E90 fire alarm 8x2x0,8 mm	rosso	2	13,9	85	221	0,52	al metro
188105	JE-H(ST)H...Bd FE180 E30-E90 fire alarm 12x2x0,8 mm	rosso	2	14,8	126	281	0,58	al metro
188109	JE-H(ST)H...Bd FE180 E30-E90 fire alarm 20x2x0,8 mm	rosso	2	18,8	206	422	0,80	al metro
188107	JE-H(ST)H...Bd FE180 E30-E90 fire alarm 16x2x0,8 mm	rosso	2	16,6	166	325	0,69	al metro

Codice art.	Prodotto	Colore della guaina esterna	Numero di core	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Unità di imballaggio
188112	JE-H(St)H...Bd FE180 E30-E90 fire alarm 32x2x0,8 mm	rosso	2	22	326	588	1,02	al metro
188114	JE-H(St)H...Bd FE180 E30-E90 fire alarm 40x2x0,8 mm	rosso	2	25,5	407	759	1,38	al metro
188116	JE-H(St)H...Bd FE180 E30-E90 fire alarm 52x2x0,8 mm	rosso	2	27,8	529	931	1,59	al metro

Additional dimensions available on request.

Con riserva di modifiche tecniche

A partire da 2023-05-26 06:08:59