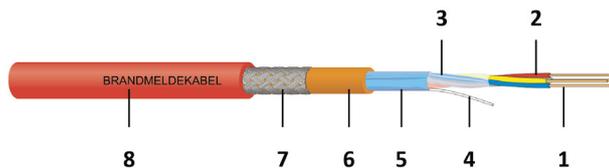


JE-H(St)HRH...Bd FE180 E30-E90 fire alarm B2_{ca}

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
Fire behaviour according to EN 50575, EN 13601-6



- 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/LSOH
- 7 Armouring: galvanised steel wire band
- 8 Sheath: FRNC/LSOH



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.

Suitable according to VKF fire protection guideline in escape routes and in tunnels according to Astra guideline 13022.

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 "HM2"
Colore della guaina esterna	rosso

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), 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
Reaction to fire	EN 13501-6
Euroclass	B2 _{ca}
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	Reaction to fire	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Unità di imballaggio	GTIN / EAN
19388400BZ	JE-H(St)HRH...Bd FE180 E30-E90 fire alarm 1x2x0,8 mm	B2 _{ca} -s1a,d1,a1	8,8	15	100	0,256	al metro	40393910230215
18811900BZ	JE-H(St)HRH...Bd FE180 E30-E90 fire alarm 2x2x0,8 mm	B2 _{ca} -s1a,d1,a1	9,3	25	125	0,295	al metro	40393910230406
18812000BZ	JE-H(St)HRH...Bd FE180 E30-E90 fire alarm 4x2x0,8 mm	B2 _{ca} -s1a,d1,a1	12,2	45	192	0,437	al metro	40393910230413
18812700BZ	JE-H(St)HRH...Bd FE180 E30-E90 fire alarm 8x2x0,8 mm	B2 _{ca} -s1a,d1,a1	18,4	85	419	0,964	al metro	40393910230420
18812800BZ	JE-H(St)HRH...Bd FE180 E30-E90 fire alarm 12x2x0,8 mm	B2 _{ca} -s1a,d1,a1	19,3	126	490	1,070	al metro	40393910230437
18812900BZ	JE-H(St)HRH...Bd FE180 E30-E90 fire alarm 20x2x0,8 mm	B2 _{ca} -s1a,d1,a1	23,3	206	680	1,412	al metro	40393910230444

Codice art.	Prodotto	Reaction to fire	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Unità di imballaggio	GTIN / EAN
18834600BZ	JE-H(S)t)HRH...Bd FE180 E30-E90 fire alarm 32x2x0,8 mm	B2 _s -s1a,d1,a1	26,9	326	913	1,806	al metro	40393910230475

Additional dimensions available on request.

Con riserva di modifiche tecniche

A partire da 2024-04-19 05:57:59