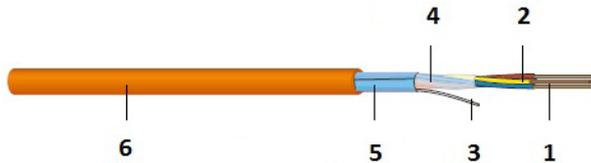


JE-H(St)H...Bd FE180 E30-E90

Wiring cable for industrial electronics, 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

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
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 (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, 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 is 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]	Peso [kg]	Unità di imballaggio	GTIN / EAN
188092	JE-H(St)H...Bd FE180 E30-E90 1x2x0,8 mm	arancia	5,6	15	42	0,095		al metro	40393910073171
18809700ZK	JE-H(St)H...Bd FE180 E30-E90 2x2x0,8 mm	arancia	6,1	25	57	0,123		1000 m tamburo	40393910035384
18809700ZL	JE-H(St)H...Bd FE180 E30-E90 2x2x0,8 mm	arancia	6,1	25	57	0,123		500 m tamburo	40393910035377
18809700ZZ	JE-H(St)H...Bd FE180 E30-E90 2x2x0,8 mm	arancia	6,1	25		0,123	0,06 kg	al metro	40393910035360
188099	JE-H(St)H...Bd FE180 E30-E90 4x2x0,8 mm	arancia	9	45	101	0,21		al metro	40393910073119
188102	JE-H(St)H...Bd FE180 E30-E90 8x2x0,8 mm	arancia	13,9	85	221	0,52		al metro	40393910073096
188104	JE-H(St)H...Bd FE180 E30-E90 12x2x0,8 mm	arancia	14,8	126	280	0,58		al metro	40393910073072
188108	JE-H(St)H...Bd FE180 E30-E90 20x2x0,8 mm	arancia	18,8	206	421	0,80		al metro	40393910073034

Codice art.	Prodotto	Colore della guaina esterna	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Peso [kg]	Unità di imballaggio	GTIN / EAN
188106	JE-H(St)H...Bd FE180 E30-E90 16x2x0,8 mm	arancia	16,6	166	324	0,69		al metro	40393910073058
188111	JE-H(St)H...Bd FE180 E30-E90 32x2x0,8 mm	arancia	22	326	589	1,02		al metro	40393910073003
188113	JE-H(St)H...Bd FE180 E30-E90 40x2x0,8 mm	arancia	25,5	407		1,38	0,76 kg	al metro	40393910072983
188115	JE-H(St)H...Bd FE180 E30-E90 52x2x0,8 mm	arancia	27,8	529		1,59	0,93 kg	al metro	40393910072969

Additional dimensions available on request.

Con riserva di modifiche tecniche

A partire da 2023-10-30 08:22:38