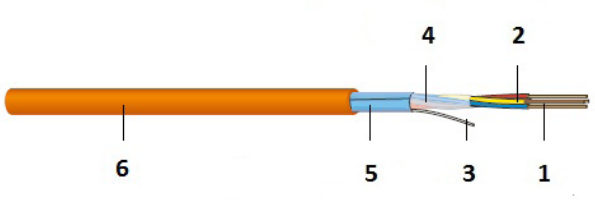
JE-H(St)H...Bd FE180 E30 L

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 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

Description

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* 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 50290-2-26
Outer sheath material	Flame retardant polyolefin compound VDE 0819 part 107, EN 50290-2-27 and VDE 0250-214 “HM 2”
Shielding	Al-laminated tape with copper drain wire Ø 0.8 mm

Proprietà generali

Installation temperature	-5 °C - +50 °C
Integrità del circuito	E30
Integrità dell’isolamento	FE 180
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),VDE 0482-362,AREI-RGIE Art.104-FR1
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Flame Propagation	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
Integrità del circuito di sistema	DIN 4102-12, AREI-RGIE Art.104-FR2
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD

Nota

System Circuit Integrity is dependent on installation method.

Versions

Numero Materiale	Numero di coppie	Product	Outer sheath colour	Numero di core	Diametro mm	Diametro esterno della guaina [mm]	Tasso di CU [kg\km]	Weight [kg\km]	Fire load [kWh\m]	Packing unit
188376	1	JE-H(St)H...Bd FE180 E30 L 1x2x0,8 mm	arancia	2	0,8	5,6	15	42	0,095	al metro
18831800ZK	2	JE-H(St)H...Bd FE180 E30 L 2x2x0,8 mm	arancia	2	0,8	6,1	25	57	0,123	1000 m tamburo
18831800ZL	2	JE-H(St)H...Bd FE180 E30 L 2x2x0,8 mm	arancia	2	0,8	6,1	25	57	0,123	500 m tamburo
18831800ZZ	2	JE-H(St)H...Bd FE180 E30 L 2x2x0,8 mm	arancia	2	0,8	6,1	25	59	0,123	al metro
188325	4	JE-H(St)H...Bd FE180 E30 L 4x2x0,8 mm	arancia	2	0,8	9	45	102	0,21	al metro

Additional dimensions available on request.