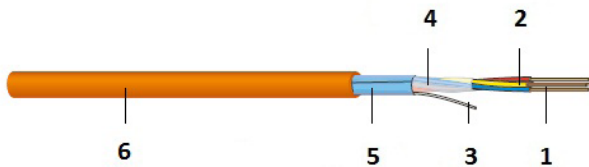


JE-H(St)H...Bd FE180 E30 L

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



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* 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 | E30 |
| 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, 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 | GTIN / EAN |
|-------------|---------------------------------------|-----------------------------|----------------|------------------------------------|---------------------|----------------|-------------------|----------------------|----------------|
| 188376 | JE-H(S)tH...Bd FE180 E30 L 1x2x0,8 mm | arancia | 2 | 5,6 | 15 | 42 | 0,095 | al metro | 40393910072150 |
| 18831800ZK | JE-H(S)tH...Bd FE180 E30 L 2x2x0,8 mm | arancia | 2 | 6,1 | 25 | 57 | 0,123 | 1000 m tamburo | 40393910035292 |
| 18831800ZL | JE-H(S)tH...Bd FE180 E30 L 2x2x0,8 mm | arancia | 2 | 6,1 | 25 | 57 | 0,123 | 500 m tamburo | 40393910035285 |
| 18831800ZZ | JE-H(S)tH...Bd FE180 E30 L 2x2x0,8 mm | arancia | 2 | 6,1 | 25 | 59 | 0,123 | al metro | 40393910035278 |
| 188325 | JE-H(S)tH...Bd FE180 E30 L 4x2x0,8 mm | arancia | 2 | 9 | 45 | 102 | 0,21 | al metro | 40393910072440 |

Additional dimensions available on request.

Con riserva di modifiche tecniche

A partire da 2023-05-26 06:09:18