

JE-H(St)H FE180/E30-E90

Installation cable, fire-resistant, halogen-free, orange (red) sheath

Konstrukce

- Cu plain conductor of diameter 0,8 mm
- Core insulation of halogen-free elastomer compound
- Core identification with color rings and ring-groups to DIN VDE 0815
- Cores twisted to pairs, 4 pairs consist to unit, units twisted in layers and units identified by numbered tape.
- Twisted units wrapped with special glass-fibre tape
- Electrostatic screening (St) with plastic coated aluminium foil (Al PET) + CuSn drain wire
- Halogen-free sheath of polymer compound, flame retardant
- Color sheath orange or red with imprint BRANDMELDEKABEL for fire alarms

Použití

Halogen-free, flame resistant installation cables are mostly used for telecommunication. The electrostatic screening considerably reduces effect of outer electrical interferences. In case of fire no flame propagation and low smoke density. These flame-resistant cables are used for fixed installation in all locations where a special protection against fire and fire damage to human life and equipment is necessary such as in industry complexes, power stations, public buildings, hotels, airports, subways, theatres, hospitals etc.

Technická data

- Halogen-free, flame retardant installation cable according to DIN VDE 0815
- Insulation integrity under the impact of flames 180 min according to IEC 60331, DIN VDE 0472 part 814
- Function integrity according to DIN VDE 4102 part 12 E30 to E90 depending on installation technique
- Loop resistance max. 73,2 Ω /km
- Temperature range flexing from -5°C to +50°C; fixed from -30°C to +70°C
- Operating voltage (peak value) 225 V
- Test voltage a.c.core/core 500 V; core/screen 2000 V
- Insulation resistance min. 100 M Ω x km
- Mutual capacitance at 800 Hz max. 120 nF/km (this value can be exceeded by 20 % in cables up to 4 pairs)
- Capacitance unbalance 200pF/100 m, (20% of the values, but one value up to 400 pF is allowed)
- Minimum bending radius approx. 7,5 x cable diameter
- Radiation resistance up to 100 x 10⁶ cJ/kg (up to 100 Mrad)

Popis produktu

Tests

- Flame-retardant to DIN VDE 0482-332-3-24/ EN 60332-3-24/ IEC 60332-3-24 (cat.C)
- Corrosiveness of combustion gases to IEC 60754-2
- Halogen-free to IEC 60754-1
- Smoke density to IEC 61034-1, 61034-2
- Insulation integrity under direct flame propagation according to DIN VDE 0472 part 814, IEC 60331
- Function integrity according to DIN VDE 4102 part 12 of electrical cable system for a period of 30 to 90 min

Note:

- E30 to E90 functionality to DIN VDE 4102 part 12, depending on installation technique.
- BRANDMELDEKABEL - with red sheath for fire alarms.
- CE = the product is conformed with the EC Low-Voltage Directive 2014/35/EU.
- Conforms to RoHS.