

Connection Cable SEC-LSC-15-CC



Features

- Fire alarm cable, type JE-H((St)H...Bd FE180 E30-E90
- Halogen-free, with improved fire characteristics
- Applicable up to a maximum operating voltage of 225 V AC
- The System circuit integrity requirement E30-E90*, according to DIN 4102-12, allows for an operating voltage of up to 110 V AC *System circuit integrity is dependent on installation method

General Data

- Operating temperature: -30 °C ... +70 °C (permanent installation)
-5 °C ... +50 °C (during installation)
- Cable diameter: 5,5 mm
- Conductor: Bare copper, 0,8 mm Ø, according to VDE 0815
- Core count: 2 with additional drain wire
- Isolation: Flame retardant, ceramifying, high-performance special compound, made of cross-linked polymer according to EN 50290-2-26
- Core colours: According to VDE 0815
- Shielding: Aluminium laminated tape with tinned copper drain wire, 0,8 mm Ø
- Outer sheath: Flame retardant HM2 polyolefin compound according to VDE 0819 part 107, EN 50290-2-27 and VDE 0250-214, FRNC/L50H
- Separator: PETP-plastic tape
- Outer sheath colour: Red
- Weight: 40 kg / km
- Bending radius: ≥ 45 mm (during installation)
≥ 15 mm (permanent installation)
- Storage Conditions: 0 °C ... +60 °C, prevention against humidity and UV light

Electrical Properties

- Insulation resistance: Min. 100 MΩ x km
- Loop resistance: Max. 73,2 Ω / km
- Capacitance: Max. 120 nF / km, at 800 Hz, unbalanced
- Capacitive coupling: Max. 200 pF / 100 m, at 800 Hz
- Rated voltage: Max. 225 V
- Test voltage: 500 V, 50 Hz, Core/Core
2000 V, 50 Hz, Core/Shield

Tested According to

- LSOH: IEC 60754-1 / -2, EN 50267-2-1 / -2-2, VDE 0482-267-2-1 / -2-2, AREI-RGIE Art. 104-SA
- Flame propagation: IEC 60332-1 / -2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art. 104-F1
- 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

Tested According to

- Smoke density: IEC 61034-1 / -2, EN 61034-1 / -2, VDE 0482-1034-1 / -2, AREI-RGIE Art. 104-SD
- Circuit integrity: IEC 60331-11 / -21 (180 minutes), VDE 0472 part 814 (FE180), IEC 60331-2, EN 50200, VDE 0482-200, AREI-RGIE Art. 104-FR1
- System circuit integrity: DIN 4102 part 12, NBN 713-020, AREI-RGIE Art. 104-FR2
- Function element: EN 54-22, approved by VdS Schadenverhütung GmbH, VdS no. G 221004, Environmental class III, Response classes A1N, A2N, BN, CN, A1I, A2I, BI, CI

Ordering Information

- Connection Cable SEC-LSC-15-CC