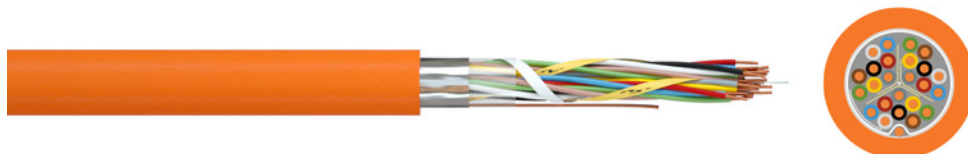


Communication cable with circuit integrity

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



Application: For signal transmission within systems for measuring-, control-, data- and regulation technology and for use as an installation cable in fire hazard rooms with a high concentration of people and material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

Stranding: cores twisted into pairs, 4 pairs layed up into sub-units (2-pairs cable stranded as one star-quad), sub-units layed up in layers.

Construction and technical data:

| | |
|--|--|
| Standard: | VDE 0815 |
| Conductor material: | copper, bare |
| Conductor construction: | Class 1 = solid |
| Insulation: | FRNC-compound HI1 |
| Screen: | Foil |
| Sheathing material: | FRNC-compound HM2 |
| Colour of outer sheath: | orange |
| Flame-retardant: | VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C) |
| Smoke density: | DIN EN 61034/IEC 61034 |
| Halogen-free: | DIN EN 50267/IEC 60754 |
| Fire-resistant: | VDE 0472-814/IEC 60331-11 (FE 180) |
| Circuit integrity: | E30-E90 |
| Permitted outer cable temperature, fixed, °C: | -5 - +50 °C |
| Bending radius, fixed installation: | 7.5 x Ø |



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

JE-H(St)H FE180/E30-E90**Maximum operating capacity:**

120 nF/km

Core identification:

colours acc. to VDE 0815

peak operating voltage, V:

225 V

| part no. | part name | DI [mm] | Ø [mm] | Cu | G [kg] |
|----------|-----------|---------|--------|-----|--------|
| 101620 | 01X2X0.8 | 0.8 | 6.5 | 12 | 57 |
| 100275 | 02X2X0.8 | 0.8 | 7.4 | 25 | 76 |
| 100276 | 04X2X0.8 | 0.8 | 11.1 | 45 | 130 |
| 100277 | 08X2X0.8 | 0.8 | 15.6 | 85 | 232 |
| 100292 | 12X2X0.8 | 0.8 | 18.1 | 126 | 318 |
| 100278 | 16X2X0.8 | 0.8 | 19.8 | 166 | 430 |
| 100279 | 20X2X0.8 | 0.8 | 22.5 | 206 | 514 |
| 100280 | 32X2X0.8 | 0.8 | 27.7 | 326 | 730 |
| 100281 | 40X2X0.8 | 0.8 | 30.8 | 407 | 962 |
| 100282 | 52X2X0.8 | 0.8 | 34.7 | 529 | 1200 |

DI | diameter conductor

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000