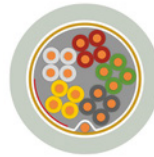


FRNC communication cable

J-H(ST)H ... Bd B2ca



Application: Low-smoke, zero-halogen communication cable with improved flame-retardance. Primarily for use in buildings with a high concentration of people or material assets. For the connection of communication units indoors in wet and dry rooms on and under plaster. For outdoor installation the cable must be protected from sunlight.

Construction and technical data:

| | |
|--|---|
| CPR-classification according to EN 50575: | B2ca s1 d0 a1 |
| Standard: | VDE 0815 |
| Conductor material: | copper, bare |
| Conductor construction: | Class 1 = solid |
| Insulation: | FRNC-compound |
| Screen: | plastic coated aluminium foil + solid copper drain wire |
| Sheathing material: | halogen-free |
| Colour of outer sheath: | grey |
| 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 |
| Permitted outer cable temperature, fixed, °C: | -30 - +70 °C |
| Bending radius, fixed installation: | 15 x Ø |
| Insulation resistance: | 100 MOhm \times km |



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.

| | |
|---------------------|---|
| Stranding | 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers |
| Core identification | The star-quads of each bunch are continuous: red, green, grey, yellow, white The cores within one star-quad are marked by rings: |
| a-wire 1 | without ring |
| b-wire 1 | one ring, wide space |
| a-wire 2 | double ring, wide space |
| b-wire 2 | double ring, narrow spaced |

J-H(ST)H ... Bd B2ca 0.6 mm

| | |
|------------------------------------|-----------|
| Conductor resistance: | 130 |
| Maximum operating capacity: | 100 nF/km |
| Test voltage: | 0.8 kV |
| peak operating voltage, V: | 300 V |

| part no. | part name | Ø [mm] | Cu | G [kg] |
|----------|-----------|--------|-----|--------|
| 102225 | 02X2X0.6 | 5.5 | 14 | 55 |
| 102226 | 04X2X0.6 | 6.5 | 25 | 77 |
| 102227 | 06X2X0.6 | 7.2 | 37 | 98 |
| 102228 | 10X2X0.6 | 8.5 | 59 | 135 |
| 102229 | 20X2X0.6 | 11 | 116 | 220 |
| 102230 | 30X2X0.6 | 13 | 172 | 303 |

J-H(ST)H ... Bd B2ca 0.8 mm

| | |
|------------------------------------|-------------|
| Loop resistance: | 73.2 Ohm/km |
| Maximum operating capacity: | 100 nF/km |
| Test voltage: | 0.8 kV |
| peak operating voltage, V: | 300 V |

| part no. | part name | Ø [mm] | Cu | G [kg] |
|----------|-----------|--------|-----|--------|
| 102136 | 02X2X0,8 | 6.7 | 25 | 70 |
| 102135 | 04X2X0.8 | 8.1 | 45 | 112 |
| 102231 | 06X2X0.8 | 9.3 | 65 | 144 |
| 102210 | 10X2X0.8 | 11.1 | 106 | 203 |
| 102232 | 20X2X0.8 | 14 | 206 | 343 |
| 102233 | 30X2X0.8 | 17 | 307 | 480 |

| | |
|----|------------------------|
| Ø | outer diameter approx. |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |