

Instrumentation cable

RE-2X(St)YSWAY-fl [PiMF]



Application: For data communication with transmission rates up to 200 kBit/s in MSR- and EDP systems. Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp areas, outdoors and direct burial in earth. The types with blue outer sheath are suitable for intrinsically safe installation -Ex i- in hazardous areas. Core identification: black-white(-orange) with sequential numbering

The PiMF variation has additional a pairs screening with plastic coated Al-foil and tinned drain wire.

Construction and technical data:

| | |
|--|--|
| Standard: | EN 50288-7 (with ref. to) |
| Conductor material: | copper, bare |
| Conductor construction: | class 2, 7-wired construction |
| Insulation: | XLPE |
| Stranding unit: | Pair |
| Stranding: | Layers |
| Core wrapping: | plastic foil |
| Material inner sheath: | PVC |
| Screen: | plastic coated Al-foil + copper drain wire, tinned |
| Armour: | round steel wire, galvanized |
| Sheathing material: | PVC |
| Flame-retardant: | VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C) |
| UV-resistant: | yes |
| Oil-resistant: | yes |
| For outdoor use: | yes |
| Permitted outer cable temperature, fixed, °C: | -30 - +70 °C |
| Permitted outer cable temperature, moved, °C: | -5 - +50 °C |
| Bending radius, fixed installation: | 12 x Ø |
| Insulation resistance: | 1000 MOhm x 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.

RE-2X(St)YSWAY-fl

Maximum operating capacity: 115 nF/km
Test voltage: 2 kV
Core identification: black/white with numbers
peak operating voltage, V: 300 V

| part no. | part name | RI [Ohm/km] | Ø [mm] | Cu | G [kg] |
|----------|-------------|-------------|--------|----|--------|
| 101073 | 01X2X1.3 BK | 14.2 | 11.5 | 34 | 242 |
| 101151 | 01X2X1,3 BL | 14.2 | 11.5 | 34 | 242 |

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Test voltage: 2 kV
Core identification: black/white with numbers
peak operating voltage, V: 300 V

| part no. | part name | RI [Ohm/km] | Ø [mm] | Cu | G [kg] |
|----------|-------------|-------------|--------|-----|--------|
| 101158 | 02X2X1.3 BK | 14.2 | 17.2 | 68 | 384 |
| 101273 | 04X2X1.3 BK | 14.2 | 17.9 | 124 | 530 |
| 101159 | 02X2X1.3 BU | 14.2 | 17.2 | 68 | 384 |
| 101274 | 04X2X1.3 BU | 14.2 | 17.9 | 124 | 530 |

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