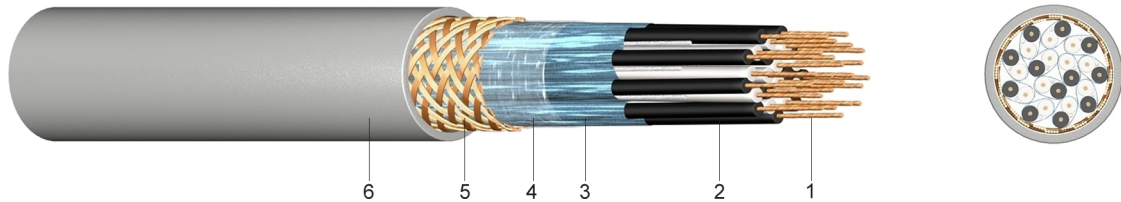


RS-2YCY PiMF

Pair Wise Screened Data Transmission Cable with Overall Bare Copper Braiding

Application:

These transmission cables are to be installed in dry and humid rooms. They are used in data processing and process controlling for high-speed transmission.



Construction:

- 1 fine-stranded bare copper with 0,5 mm² (7x0,30 mm diameter)
- 2 core insulation of polyvinylchloride (PVC)
- 3 each pair is screened with a static screen of plastic coated aluminium foil
- 4 static screen of plastic foil
- 5 braid of bare copper wires
- 6 outer sheath of polyvinylchloride (PVC), grey

Information:

Core identification: black / white (with figure on the white core, 1-1, 2-2,...)

For reinforced PVC outer sheath for underground laying type please send us an enquiry.

Technical data:

| | | | |
|---------------------------|-----------|-------------|-----------------|
| Temperature range | in motion | | -5°C till +70°C |
| Insulation resistance | R iso | [MΩm/km] | 5000 |
| Conductor loop-resistance | | [Ωm/km] | 39,0 |
| Attenuation | 100 MHz | [dB / 100m] | 4,5 |
| Impedance | 1 KHz | [Ωm] | 465,0 |
| | 10 KHz | [Ωm] | 155,0 |
| | 100 KHz | [Ωm] | 115,0 |
| Cross-talk attenuation | at 60 Hz | [dB/500m] | 78,0 |

| Number of pairs and nominal cross section mm ² | Copper figure kg/km | Overall diameter appr.mm | Weight appr. kg/km |
|---|---------------------|--------------------------|--------------------|
| 2 x 2 x 0,5 | 73,9 | 8,0 | 100 |
| 3 x 2 x 0,5 | 88,3 | 8,8 | 120 |
| 4 x 2 x 0,5 | 107,5 | 9,7 | 145 |
| 6 x 2 x 0,5 | 147,8 | 11,9 | 210 |
| 8 x 2 x 0,5 | 180,5 | 13,2 | 270 |
| 12 x 2 x 0,5 | 282,2 | 15,4 | 375 |
| 16 x 2 x 0,5 | 337,9 | 18,2 | 420 |