

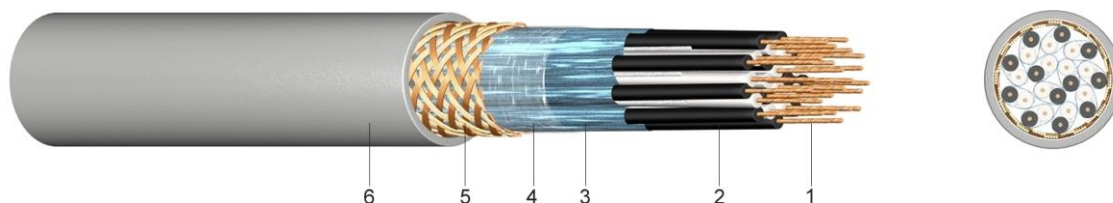


## RS-2YCY PiMF

## 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 mm<sup>2</sup> (7x0,30 mm diameter)
- 2 ..... core insulation of polyethylene (PE)
- 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 <sup>2</sup>	from stock	Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg / km
2 x 2 x 0,5	●	80,2	8,0	100
3 x 2 x 0,5	●	95,8	8,8	120
4 x 2 x 0,5	●	116,7	9,7	145
6 x 2 x 0,5	●	134,4	11,9	210
8 x 2 x 0,5	●	195,8	13,2	270
12 x 2 x 0,5	●	306,3	15,4	375
16 x 2 x 0,5	○	352,0	18,2	420