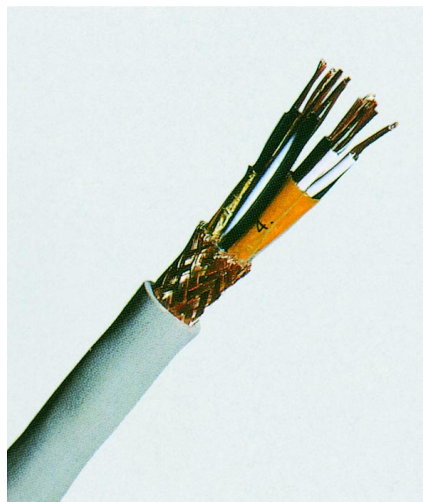


RS-2YCY ... PiMF

Pairwise Screened Data Transmission Cable with Overall Bare Copper Braiding



Construction

Stranded bare copper conductors with 0.5 mm² (diameter 7 x 0.30 mm), core insulation of polyethylene (PE), core colours are white and black in each pair, cores are stranded to pairs, each pair is screened with a static screen of plastic coated aluminium foil with drain wire, the pairs are stranded in concentric layers, one layer of plastic foil, overall braid of bare copper wires, PVC outer sheath, grey. For installation in earth with a reinforced PVC outer sheath, black.

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.

Temperature range

In motion - 5°C till + 50°C
For fixed installation - 20°C till + 70°C

Electrical properties at 20°C

Conductor loop resistance	max.	78,4 Ohm / km
Insulation resistance	min.	10,0 GOhm x km
Operating capacity at 800 Hz	max.	65,0 nF / km
near-end crosstalk attenuation at 60 Hz	min.	78 dB / 500 m
Impedance at	1 KHz	465 Ohm
	10 KHz	155 Ohm
	100 KHz	115 Ohm
Attenuation at	1 KHz	0,9 dB / km
	10 KHz	2,4 dB / km
	100 KHz	4,5 dB / km

Number of pairs and nominal cross section	Price	Copper figure ca.	Overall diameter ca.	Weight
mm ²	EUR / km	kg / km	mm	kg / km
RS-2YCY ... PiMF 350 V				
2 x 2 x 0,5	2.640,00	77	7,6	100
3 x 2 x 0,5	3.239,10	92	8,8	120
4 x 2 x 0,5	3.655,10	112	9,5	145
6 x 2 x 0,5	5.253,90	154	11,6	210
8 x 2 x 0,5	6.468,40	188	12,4	270
10 x 2 x 0,5	8.215,20	246	14,5	330
12 x 2 x 0,5	9.679,00	294	15,8	375
16 x 2 x 0,5	12.606,70	352	18,2	420
20 x 2 x 0,5	15.142,60	412	20,4	510
24 x 2 x 0,5	18.148,80	490	21,0	690