

Isolation:
PVC
Color code: DIN 47100

Conductor
Red copper
Class 5 according to IEC 60228

PES tape, pair by pair

Individual shielding pair by pair
Tinned copper braid

Outer sheath
PVC
RAL 7001 Gray



PRODUCT INFORMATION

APPLICATION

MPI cables are used for data transmission in electromagnetically noisy environments. Pairing the cables together helps to prevent crosstalk.

ELECTRICAL PROPERTIES

Rated voltage (U°/U):	300/300 V
Test voltage:	1500 V
Nominal impedance:	80 Ω
Insulation resistance at 20°C:	> 20 MΩ.km
Capacity	
- Conductor / conductor:	120 pF/m
- Conductor / braid:	160 pF/m

DESCRIPTION OF THE CABLE

Assembly: in twisted pairs under PES ribbon pair by pair and individual shielding. Assembly of shielded pairs in concentric layers with stuffing if necessary.

FEATURES



Fire resistance:
IEC 60332-1



Service temperature:
Static: -30°C → +70°C
Dynamic: - 5°C → + 70°C



Minimum radius of curvature:
Static: 7 x Ø
Dynamic: 15 x Ø



In compliance with the RoHS directive.

PRODUCT REFERENCES

			
MPI2P034	2 × 2 × 0,34	7.8	68
MPI2P034	3 × 2 × 0,34	8.2	77
MPI4P034	4 × 2 × 0,34	9.8	85
MPI5P034	5 × 2 × 0,34	10.5	135
MPI7P034	7 × 2 × 0,34	11.8	150
MPI2P050	2 × 2 × 0,50	8.7	85
MPI3P050	3 × 2 × 0,50	9.6	104
MPI4P050	4 × 2 × 0,50	10.7	134
MPI5P050	5 × 2 × 0,50	12.1	173
MPI2P075	2 × 2 × 0,75	9.5	104
MPI3P075	3 × 2 × 0,75	10.4	124
MPI4P075	4 × 2 × 0,75	12.0	168
MPI5P075	5 × 2 × 0,75	13.1	207