

Product Description

For reasons of cost reduction the multi-wired stranded copper cable has been provided for MAXI-TERMI-POINT® connecting technology. This wiring method (semi-automatic) considerably reduces the time and the costs required for installation.



Application range

- RD-Y(St)Y is used as a data transmission cable for applications such as control centres, monitoring systems, control units units
- It is designed for fixed installation / installation in enclosed rooms.

Benefits

- For reasons of cost reduction the multi-wired stranded copper cable has been provided for MAXI-TERMI-POINT® connecting technology. This wiring method (semi-automatic) considerably reduces the time and the costs required for installation.

Design

- Bare stranded copper conductor, MAXI-TERMI-POINT® compatible, PVC core insulation, cores twisted into pairs, approx. 20 loops/m, 4 pairs twisted into a bundle, bundles in layers, bundles labelled using numbered foil, aluminium laminated plastic foil static screen with multi wire tin plated drain wire
- PVC outer sheath
- Colour: grey (based on RAL 7000) or blue for intrinsically safe systems (based on RAL 5015)



Technical Data

Core identification code

Pair-no. 1: a-conductor: blue b-conductor red
Pair-no. 2: a-conductor: grey b-conductor: yellow
Pair no. 3: a-core: green b-core brown Pair no. 4:
a-core: white b-core black

Mutual capacitance

At 800 Hz : = 100 MOhm x km
Core/screen >= 100 MOhm x km

Conductor resistance

(loop):

Minimum bending radius

Fixed installation: 7.5 x cable diameter

Short-range crosstalk attenuation

At 10 kHz and 500 m cable length at least 60 dB

Test voltage

50 Hz, 2 min. C/C: 2000 V
50 Hz, 2 min. C/S: 2000 V

Range of temperature

Flexible application: -5°C up to +50°C
Fixed installation: -40°C up to +70°C

Characteristic impedance

At 1 kHz approx. 370 Ohm
At 10 kHz approx. 130 Ohm

Article List

Part number	Number of pairs and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km	Number of units
RD-Y(ST)Y grey					
0032470	2 x 2 x 0,5	6.5	25.0	65	
0032471	4 x 2 x 0,5	9.0	45.0	110	1
0032472	8 x 2 x 0,5	11.5	85.0	180	2
0032474	16 x 2 x 0,5	15.5	165.0	310	4
0032475	24 x 2 x 0,5	19.0	245.0	450	6
0032476	32 x 2 x 0,5	21.0	325.0	560	8
0032477	48 x 2 x 0,5	25.5	485.0	810	12
RD-Y(ST)Y blue					
0032479	2 x 2 x 0,5	6.5	25.0	65	

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)



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