

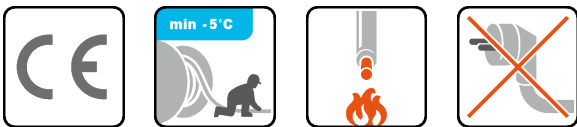


|  |                              |
|--|------------------------------|
| <b>conductor material:</b>                 | bare copper                  |
| <b>conductor construction:</b>             | cl.2, 7-wired construction   |
| <b>insulation:</b>                         | PVC                          |
| <b>screen over strand:</b>                 | foil                         |
| <b>drain wire:</b>                         | yes                          |
| <b>sheathing material:</b>                 | PVC                          |
| <b>colour of outer sheath:</b>             | grey                         |
| <b>flame retardant:</b>                    | VDE 0482-332-1-2/IEC 60332-1 |
| <b>max. operating temperature, fixed:</b>  | -5 - + 50 °C                 |
| <b>bending radius, fixed installation:</b> | 7,5 x DA                     |
| <b>maxi-termi-point termination:</b>       | yes                          |
| <b>impedance:</b>                          | 130 Ohm                      |
| <b>insulation resistance:</b>              | 100 MOhm $\times$ km         |
| <b>specific inductivity:</b>               | 0,7 mH/km                    |
| <b>coupling K1:</b>                        | 200 pF                       |
| <b>operating capacity:</b>                 | 120 nF/km                    |
| <b>nominal voltage U:</b>                  | 600 V                        |
| <b>test voltage:</b>                       | 2000 V                       |

**Application:** In measuring and controlcircuits of industrial installations for transfer of analog and digital data up to 10 kHz. For fixed installation inside of buildings The version with blue outer sheath is suitable for application in intrinsical-safe circuits.

stranding: cores into pairs (2-pair as a star-quad), 4 pairs into a bunch, bunches in layers.  
Identification of bunches by numbered helix.

core identification: blue, red; grey, yellow; green, brown; white, black;



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

table: technical data RD-Y(St)Y

| Art.-Nr. | part-name                | RI<br>[ $\Omega$ /km] | l <sub>bl</sub><br>[A] | DA<br>[mm] | CU  | G<br>[kg/km] |
|----------|--------------------------|-----------------------|------------------------|------------|-----|--------------|
| 100928   | RD-Y(St)Y Bd 01X2X0,5 GR | 39,2                  | 5                      | 5,5        | 15  | 35           |
| 100929   | RD-Y(St)Y Bd 01X2X0,5 BL | 39,2                  | 5                      | 5,5        | 15  | 35           |
| 100443   | RD-Y(St)Y Bd 02X2X0,5 GR | 39,2                  | 5                      | 6,1        | 25  | 60           |
| 100602   | RD-Y(St)Y Bd 02X2X0,5 BL | 39,2                  | 5                      | 6,1        | 25  | 60           |
| 100445   | RD-Y(St)Y Bd 04X2X0,5 GR | 39,2                  | 5                      | 8,1        | 45  | 95           |
| 100580   | RD-Y(St)Y Bd 04X2X0,5 BL | 39,2                  | 5                      | 8,1        | 45  | 95           |
| 100446   | RD-Y(St)Y Bd 08X2X0,5 GR | 39,2                  | 5                      | 11,5       | 85  | 157          |
| 100501   | RD-Y(St)Y Bd 08X2X0,5 BL | 39,2                  | 5                      | 11,5       | 85  | 157          |
| 100447   | RD-Y(St)Y Bd 12X2X0,5 GR | 39,2                  | 5                      | 13,1       | 125 | 229          |
| 100958   | RD-Y(St)Y Bd 12X2X0,5 BL | 39,2                  | 5                      | 13,1       | 125 | 229          |
| 100448   | RD-Y(St)Y Bd 16X2X0,5 GR | 39,2                  | 5                      | 13,7       | 165 | 290          |
| 100723   | RD-Y(St)Y Bd 16X2X0,5 BL | 39,2                  | 5                      | 13,7       | 165 | 290          |
| 100394   | RD-Y(St)Y Bd 24X2X0,5 GR | 39,2                  | 5                      | 16,3       | 245 | 422          |

table: technical data RD-Y(St)Y

| Art.-<br>Nr. | part-name                | RI<br>[Ω/km] | Ibl<br>[A] | DA<br>[mm] | CU  | G<br>[kg/km] |
|--------------|--------------------------|--------------|------------|------------|-----|--------------|
| 100581       | RD-Y(St)Y Bd 24X2X0,5 BL | 39,2         | 5          | 16,3       | 245 | 422          |
| 100449       | RD-Y(St)Y Bd 32X2X0,5 GR | 39,2         | 5          | 21,1       | 325 | 535          |
| 100502       | RD-Y(St)Y Bd 32X2X0,5 BL | 39,2         | 5          | 21,1       | 325 | 535          |
| 100450       | RD-Y(St)Y Bd 48X2X0,5 GR | 39,2         | 5          | 23,1       | 485 | 796          |
| 100724       | RD-Y(St)Y Bd 48X2X0,5 BL | 39,2         | 5          | 23,1       | 485 | 796          |
| 100395       | RD-Y(St)Y Bd 96X2X0,5 GR | 39,2         | 5          | 30,5       | 965 | 1410         |
| 100970       | RD-Y(St)Y Bd 02X2X1 GR   | 18,4         | 10         | 7,6        | 51  | 130          |
| 100971       | RD-Y(St)Y Bd 02X2X1 BL   | 18,4         | 10         | 7,6        | 51  | 130          |
| 100972       | RD-Y(St)Y Bd 04X2X1 GR   | 18,4         | 10         | 10,4       | 91  | 198          |
| 100973       | RD-Y(St)Y Bd 04X2X1 BL   | 18,4         | 10         | 10,4       | 91  | 198          |
| 100974       | RD-Y(St)Y Bd 08X2X1 GR   | 18,4         | 10         | 15,2       | 172 | 341          |
| 100975       | RD-Y(St)Y Bd 08X2X1 BL   | 18,4         | 10         | 15,2       | 172 | 341          |
| 101210       | RD-Y(St)Y Bd 12X2X1 GR   | 18,4         | 10         | 16,1       | 252 | 462          |
| 100444       | RD-Y(St)Y Bd 16X2X1 GR   | 18,4         | 10         | 18,2       | 332 | 670          |
| 100962       | RD-Y(St)Y Bd 16X2X1 BL   | 18,4         | 10         | 18,2       | 332 | 670          |
| 101251       | RD-Y(St)Y Bd 24X2X1 GR   | 18,4         | 10         | 21,9       | 493 | 891          |
| 101252       | RD-Y(St)Y Bd 24X2X1 BL   | 18,4         | 10         | 21,9       | 493 | 891          |

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