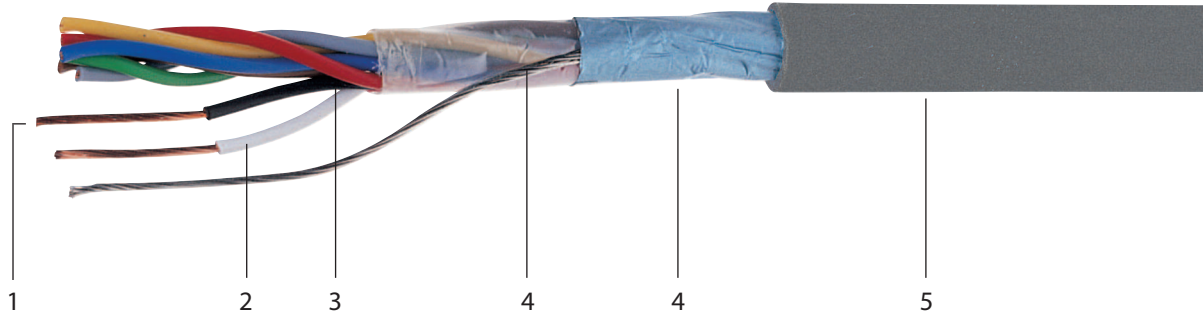


RD-Y(St)Y...Bd

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PVC insulated, overall screened, unarmoured, PVC sheathed control cable adapted to VDE 0815



Construction

1. Conductors: bare stranded copper
2. Insulation: PVC
3. Cabling elements: pairs
Cabling elements assembled in bundles of 4 pairs (Bd)
Bundels assembled in concentric layers
4. Overall screening: laminated Alu/PET tape (9µm Alu/12µm PET) in contact with a tinned copper drain wire 0,5 mm² (7x0,3mm)
5. Outer sheath: PVC
Outer sheath color: Gray or blue or according to customer specification

Electrical Properties

Voltage rating (V)	600
Conductor cross section (mm ²)	0,5
Conductor resistance in loop @ 20 °C (Ω/km)	73,6
Capacitance core/core (nF/km)	≤100 (+20% for cables up to 4 pairs)
Capacitance unbalance between pairs @ 800 Hz. (pF/100m)	≤200 (20% for measured values or min. one value may be <400)
Test voltage core/core (V _{ac})	2000
Test voltage core/screen (V _{ac})	2000
Insulation resistance @ 20 °C (MΩ*km)	≥100
Line attenuation @ 1 kHz (dB/km)	1,2
@ 10 kHz (dB/km)	3,0
Crosstalk attenuation @ 10 kHz/500m (dB)	≤ 60
Characteristic impedance @ 1 kHz (Ω)	≅ 370
@ 10 kHz (Ω)	≅ 130

Application conditions

Operating temperature	-30 °C to +70 °C
Laying temperature	-5 °C to +50 °C
Min. bending radius	7,5 x outer diameter

Fire behaviour

Fire propagation	IEC 60332-1
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Application

Transmission of analog and digital signals up to 10 kHz for indoor and outdoor applications.
 Suitable for maxi termi point connection. Also available in **halogen-free version : RD-H(St)H.**



RD-Y(St)Y...Bd

2/2

Number of pairs and size mm ²	Thickness of the outer sheath mm	Overall diameter approx. mm	Weight of cable approx. kg/km
1 x 4 x 0,5	1,0	6,5	65
4 x 2 x 0,5	1,0	9,0	105
8 x 2 x 0,5	1,0	11,5	180
12 x 2 x 0,5	1,0	13,5	250
16 x 2 x 0,5	1,2	15,5	310
20 x 2 x 0,5	1,2	16,1	385
24 x 2 x 0,5	1,2	19,0	450
32 x 2 x 0,5	1,4	21,0	560
48 x 2 x 0,5	1,6	25,5	810
96 x 2 x 0,5	1,8	34,0	1570