

RD-Y(st)Yv... Bd - 0,50 mm²

Measuring and control cable with reinforced sheath, construction and core identification referring to DIN VDE 0815

Construction

- Conductor: copper strand, bare, flexible, 7 x 0,30 mm;
Ø = 0,9 mm
- Core insulation: PVC
- Core stranding: 4 pairs to lay up, bundled with numbered tape,
- Lapping: plastic foil
- Screen: earth wire copper strand, tinned 7 x 0,3 mm,
- Sheath: plastic-laminated aluminium foil
- Sheath colour: PVC
- Sheath colour: preferably grey RAL 7000

Technical data

- (Conductor) loop resist. max. 78,4 Ω/km
- Insulation resistance min. 100 MΩ x km
- Char. impedance (1 kHz) 370 Ω
- Char. impedance (10 kHz) 130 Ω
- Mutual capacitance (800Hz) max. 100 nF/km
- Capacitance unbalance (800 Hz) max. 200 pF/100 m
- Crosstalk attenuation (10 kHz) min. 60 dB/km/500 m
- Peak operating voltage 225 V
- Test voltage core-core 2000 V 50 Hz 2 min
- Test voltage core-screen 2000 V 50 Hz 2 min
- Temperature range: during installation -5°C to +50°C
- Minimum bending radius max. + 70°C
- Minimum bending radius 10 x Diameter

Application: As data transmission cable for transmission rates up to 10 kHz, mainly in power stations and other industrial plants.

Dimension	Sheath thickness appr. mm	Diameter appr. mm	Total- Weight kg/km	Cu-Weight kg/km	Article number
2 x 2 x 0,5	1,8	8,5	90,0	25,0	6700502218
4 x 2 x 0,5	1,8	10,5	130,0	45,0	6700504218
8 x 2 x 0,5	1,8	13,0	200,0	85,0	6700508218
12 x 2 x 0,5	1,8	13,8	260,0	125,0	6700512218
16 x 2 x 0,5	1,8	15,0	315,0	165,0	6700516218
20 x 2 x 0,5	1,8	16,2	375,0	205,0	6700520218

Dimension	Sheaththickness appr. mm	Diameter appr. mm	Total- Weightkg/km	Cu-Weight kg/km	Articlenumber
24 x 2 x 0,5	1,8	17,5	435,0	245,0	6700524218
32 x 2 x 0,5	1,8	20,5	560,0	325,0	6700532218
40 x 2 x 0,5	1,8	22,0	675,0	405,0	6700540218
48 x 2 x 0,5	1,8	23,0	775,0	485,0	6700548218
80 x 2 x 0,5	2,0	31,0	1.265,0	805,0	6700580220

- Further formats available on request
- All data and products subject to change