# 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, bundles to lay up
- Lapping: plastic foil
- Screen: earth wire copper strand, tinned 7 x 0,3 mm, plastic-laminated aluminium foil
- Sheath: PVC
- Sheath colour: peferably 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
  stationary 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

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