

RD-Y(St)Y... Bd - 1,00 mm²

Construction and core identification referring to DIN VDE 0815

Construction

- Conductor: copper strand, bare, flexible,
strand 7 x 0,43 mm; Ø = 1,3 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: preferably grey RAL 7000, other colours on
request,
special outer sheath design: **RD-Y(St)Y-FR**,
compound flame-resistant acc. to DIN EN 60332-3

Technical data

- (Conductor) loop resist. max. 36,8 Ω/km
- Insulation resistance min. 100 MΩ x km
- Char. impedance (10 kHz) 100 Ω
- Mutual capacitance (800Hz) max. 100 nF/km
- Capacitance unbalance (800 Hz) max. 200 pF/100 m
- Crosstalk attenuation (10 kHz) min. 60 dB/500 m
- Cable attenuation (10 kHz) 1,2 dB/km
- Peak operating voltage 600 V
- Test voltage core-core 2000 V 50 Hz 2 min
- Test voltage core-screen 2000 V 50 Hz 2 min
- Temperature range:
stationary max. + 70°C during installation -5°C to +50°C
- Minimum bending radius 7,5 x diameter

Behavior under fire conditions

- RD-Y(St)Y acc.to DIN EN 60332-2
- RD-Y(St)Y-FR acc.to DIN EN 60332-3

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

Abmessung	Mantel- Wanddicke ca. mm	• ca. mm	Gesamt- Gewicht ca. kg/km	Cu-Gewicht kg/km	Lager-Nummer
2 x 2 x 1,0	1,0	7,8	90,0	51,0	6701002210
4 x 2 x 1,0	1,0	10,6	155,0	91,0	6701004210
8 x 2 x 1,0	1,2	14,6	290,0	171,0	6701008210
12 x 2 x 1,0	1,2	15,5	390,0	252,0	6701012210

Abmessung	Mantel- Wanddicke ca.mm	• ca. mm	Gesamt- Gewicht ca. kg/km	Cu-Gewicht kg/km	Lager-Nummer
16 x 2 x 1,0	1,4	19,6	515,0	332,0	6701016212
20 x 2 x 1,0	1,4	20,4	625,0	413,0	6701020212
24 x 2 x 1,0	1,4	23,6	740,0	493,0	6701024212
32 x 2 x 1,0	1,6	28,4	995,0	654,0	6701032214
40 x 2 x 1,0	1,6	31,5	1.240,0	816,0	6701040214
48 x 2 x 1,0	1,6	31,8	1.430,0	977,0	6701048214
60 x 2 x 1,0	1,8	34,7	1.750,0	1.617,0	6701060218

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