

RD-H(St)H - 0,50 mm²

Halogen-free measuring and control cable
Construction and core identification referring to DIN VDE 0815

Construction

- Conductor: copper strand, bare, flexible,
strand 7 x 0,30 mm; Ø = 0,9 mm
- Core insulation: halogen-free compound
- 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: halogen-free compound
- Sheath colour: preferably grey RAL 7000, deviant colours
according to order

Technical data

- (Conductor) loop resist. max. 78,4 Ω/km
- Insulation resistance min. 100 MΩ x km
- Char. impedance (10 kHz) 370 Ω
- Mutual capacitance (800Hz) max. 100 nF/km
- Capacitance unbalance (800 Hz) max. 200 pF/100 m
- Wave attenuation (1 kHz) 1,2 dB
- Crosstalk attenuation (10 kHz) min. 60 dB/500 m
- 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: during installation -5°C to + 50°C
stationary -30°C to + 70°C
- Minimum bending radius 7,5 x diameter

Behavior under fire conditions

- acc. to DIN EN 60332-3 (Category A)

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	1,0	6,0	60,0	25,0	6708502210
4 x 2 x 0,5	1,0	8,0	95,0	45,0	6708504210
8 x 2 x 0,5	1,0	11,0	160,0	85,0	6708508210
12 x 2 x 0,5	1,0	12,0	210,0	125,0	6708512210

Dimension	Sheaththickness appr. mm	Diameter appr. mm	Total- Weightkg/km	Cu-Weight kg/km	Article number
16 x 2 x 0,5	1,0	12,8	260,0	165,0	6708516210
20 x 2 x 0,5	1,0	14,0	320,0	205,0	6708520210
24 x 2 x 0,5	1,0	15,5	370,0	245,0	6708524210
32 x 2 x 0,5	1,2	19,5	510,0	325,0	6708532212
40 x 2 x 0,5	1,2	21,0	610,0	405,0	6708540212
48 x 2 x 0,5	1,2	22,0	720,0	485,0	6708548212

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