

J-H(St)H Bd

Installation cables, halogen-free



Cable structure

- Bare copper conductor cross-sections 0,6 mm, 0,8 mm
- Halogen-free core insulation according to DIN VDE 0207 part 23
- Color coded cores according to DIN VDE 0815
- The cores stranded to quads, 5 quads stranded to unit and wrapped with plastic tape
- Electrostatic screening (St) with plastic coated aluminium foil (Al PET) + CuSn drain wire
- Separator
- Grey, halogen-free sheath of polymer compound
- Red, halogen-free sheath of polymer compound for fire alarms

Technical data

- Flame retardant, halogen-free, installation cable according to DIN VDE 0815
- **Temperature range** during installation from -5 °C to +50 °C fixed from -30 °C to +70 °C
- **Conductor resistance** (loop) max. 130 Ω/km (0,6 mm) max. 73,5 Ω/km (0,8 mm)
- **Operating voltage** (peak value) 300 V
- **Test voltage a.c.** core/core 800 V core/screen 800 V
- **Insulation resistance** min. 100 MΩ x km
- **Mutual capacitance** at 800 Hz 120 nF/km (this value can be exceeded by 20 % in cables up to 4 pairs)
- **Capacitance unbalance** at 800 Hz K1 max. 300pF/100 m K9-12 max. 100pF/100 m
- **Attenuation** at 800 Hz 1,72 dB/km (0,6 mm), 1,12 dB/km (0,8 mm)
- **Minimum bending radius** approx. 7,5x cable diameter

Tests

- Flame-retardant to DIN VDE 0482 part 266-2 /HD 405.3/BS 4066 PT3/EN 50266-2/IEC 60332-3
- Low corrosiveness of combustion gases to DIN VDE 0482 part 267/BS 6425 PT2/EN 50267-2-2/IEC 60754-2
- Smoke density to DIN VDE 0482 part 268/HD 606/BS 7622 PT1, PT2/EN 50268-1,-2/IEC 61034-1,-2

Application

Halogen-free installation cables with improved characteristics in case of fire are used for telephone transmission, measurement and control technology. The electrostatic screening considerably reduces effect of outer electrical interferences. In case of fire no flame propagation. When burning no corrosive gases are produced. These cables are preferably used for telecommunication indoor installations and in special cases, outer application is permitted under protection against UV radiation. These cables are also suitable for fixed installation in dry and moist areas as well as under plaster.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Conforms to RoHS.

BRANDMELDEKABEL – red sheath for fire alarms available upon request.

Part No.	Number of cores x core cross-section (mm)	Approx. outer Ø (mm)	Cooper weight (kg/km)	Approx. cable weight (kg/km)
0534050	2x2x0,6	5,8	14	50
0534051	4x2x0,6	8,6	25	91
0534052	6x2x0,6	9,0	37	100
0534053	10x2x0,6	10,3	59	147
0534054	20x2x0,6	15,5	116	308
0534055	30x2x0,6	16,5	172	350
0534056	40x2x0,6	18,6	229	465
0534057	50x2x0,6	20,7	286	571
0534058	60x2x0,6	22,8	342	662
0534059	80x2x0,6	26,6	455	877
0534060	100x2x0,6	28,2	568	1055

Part No.	Number of cores x core cross-section (mm)	Approx. outer Ø (mm)	Cooper weight (kg/km)	Approx. cable weight (kg/km)
0534061	2x2x0,8	6,8	25	70
0534062	4x2x0,8	10,5	45	135
0534063	6x2x0,8	10,9	65	151
0534064	10x2x0,8	13,1	106	230
0534065	20x2x0,8	20,4	206	507
0534066	30x2x0,8	21,5	307	600
0534067	40x2x0,8	24,5	407	788
0534068	50x2x0,8	27,1	508	972
0534069	60x2x0,8	29,4	608	1120
0534070	80x2x0,8	33,2	809	1475
0534071	100x2x0,8	37,2	1010	1804