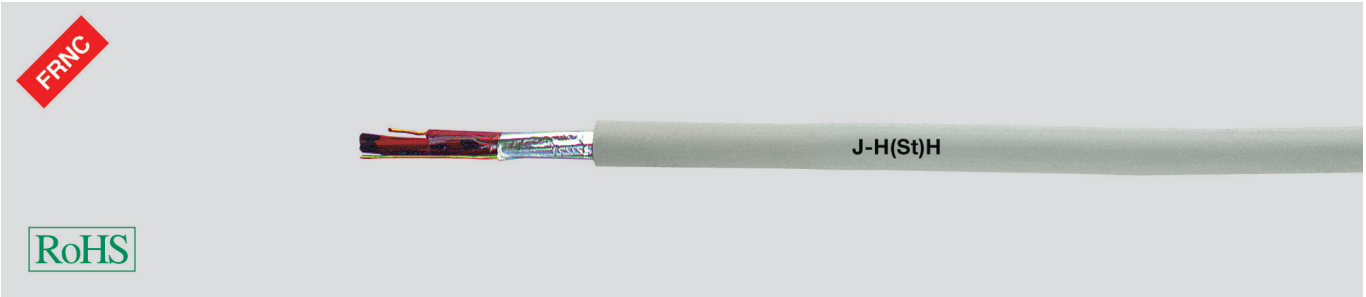
J-H(St)H Bd installation cable, halogen-free, according to DIN VDE 0816



Technical data

- Flame retardant, halogen-free installation cable acc. to DIN VDE 0815
- **Temperature range**
  flexing -5°C to +50°C
  fixed installation -30°C to +70°C
- **Loop resistance** at 20°C
  max. 130 Ohm/km at 0,6 mm
  max. 73,2 Ohm/km at 0,8 mm
- **Operating peak voltage** 300 V
  (not for purposes of high current and power installation)
- **Test voltage**
  core/core U eff. 800 V
  core/screen 800 V
- **Insulation resistance**
  min. 100 MOhm x km
- **Mutual capacitance** at 800 Hz
  max. 120[1)] nF/km
- **Capacitance unbalances** at 800 Hz
  K_1 max. 300[2)] pF/100 m
  K_9-K_{12} max. 100[3)] pF/100 m
- **Line attenuation** at 800 Hz
  approx. 1,5 dB/km
- **Minimum bending radius**
  during delivery 7,5x cable Ø
  single bending without tension
  2,5x cable Ø
  repeated bending under tension
  7,5x cable Ø
- **Radiation resistance**
  up to 100x10^6 cJ/kg (up to 100 Mrad)
- **Caloric load values**
  see technical informations

Cable structure

- Bare copper-conductor, single-wire
- Core insulation, halogen-free, compound type HI2 to DIN VDE 0207 part 23
- Core and star-quad identification to DIN VDE 0815
- Cores twisted in quads
- The cores to quads and the quads are stranded to units
- Foil wrapping
- Drain wire solid
- Electrostatic screen (St) of plastic coated aluminium foil
- Outer sheath, halogen-free, flame retardant, compound type HM2 to DIN VDE 0207 part 24
- Sheath colour grey

Properties

- Not for purposes of high current and power installation as well as underground laying.
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- Flame test acc. to DIN VDE 0482-332-3-24, BS 4066 part 3, DIN EN 60332-3-24, IEC 60332-3-24 (previously DIN VDE 0472 part 804 test method C)
- Corrosiveness of combustion gases acc. to DIN VDE 0482 part 267, DIN EN 50267-2-2, IEC 60754-2 (equivalent DIN VDE 0472 part 813)
- Smoke density acc. to DIN VDE 0482 part 1034-1+2, DIN EN 61034-1+2, IEC 61034-1+2, BS 7622 part 1+2 (previously DIN VDE 0472 part 816)

Note

- [1)] This value may be extended by 20% with make-up up to 4 pairs.
- [2)] 20% of the values, but one value up to 500 pF is allowed.
- [3)] 10% of the values, but four values (relationship) up to 300 pF are allowed.
- **LS0H** = Low Smoke Zero Halogen

Application

The halogen-free installation cables with improved characteristics in the case of fire are used for the telephone transmission, measurement and control technology. The static screen protects the transmission circuits against outer electrical interferences. A fire propagation is prevented through high oxygen index of the insulation material and produce no corrosive gases in case of fire. Those cables are preferably used for telecommunication installations in dry and damp premises, and in or under plaster.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	
34050	2 x 2 x 0,6	5,4	14,0	50,0	-
34051	4 x 2 x 0,6	7,3	25,0	91,0	-
34052	6 x 2 x 0,6	7,7	37,0	100,0	-
34053	10 x 2 x 0,6	9,1	59,0	147,0	-
34054	20 x 2 x 0,6	13,5	116,0	308,0	-
34055	30 x 2 x 0,6	15,1	172,0	350,0	-
34056	40 x 2 x 0,6	16,5	229,0	465,0	-
34057	50 x 2 x 0,6	18,6	286,0	571,0	-
34058	60 x 2 x 0,6	19,3	342,0	662,0	-
34059	80 x 2 x 0,6	24,6	455,0	877,0	-
34060	100 x 2 x 0,6	27,2	568,0	1055,0	-

Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	
34061	2 x 2 x 0,8	6,5	25,0	70,0	-
34062	4 x 2 x 0,8	9,0	45,0	135,0	-
34063	6 x 2 x 0,8	10,0	65,0	151,0	-
34064	10 x 2 x 0,8	11,5	106,0	230,0	-
34065	20 x 2 x 0,8	20,4	206,0	507,0	-
34066	30 x 2 x 0,8	21,5	307,0	600,0	-
34067	40 x 2 x 0,8	23,0	407,0	788,0	-
34068	50 x 2 x 0,8	25,0	508,0	972,0	-
34069	60 x 2 x 0,8	28,0	608,0	1120,0	-
34070	80 x 2 x 0,8	31,5	809,0	1475,0	-
34071	100 x 2 x 0,8	32,3	1010,0	1804,0	-

Dimensions and specifications may be changed without prior notice. (RP01)