

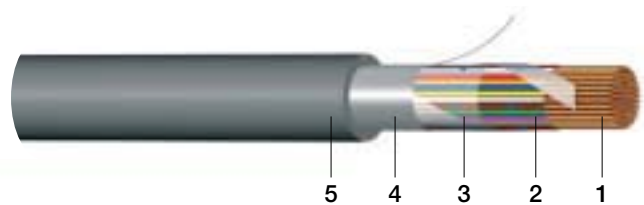
J-H(St)H...Bd

Installation cable, screened

Standard: DIN VDE 0815

Usage:

For use in telecommunications installations. Suitable for interior applications in dry and damp premises, as well on or under plaster. Not suitable for power installation purposes and for direct burial. Since they are free from halogens and exhibit enhanced fire performance, these cables are used in those applications where in the event of fire, the negative effects on concentrations of people and valuable material goods must be minimised.



Construction:

- 1 Copper conductor, round solid (RE)
- 2 Core insulation (halogen-free polymer compound), conductors pair stranded, pairs stranded into groups
- 3 Inner covering (halogen-free plastic tape)
- 4 Screen (plastic laminated aluminium tape with drain wire)
- 5 Sheath (halogen-free polymere compound, grey)



Rated voltage: max. 300 Vss



Test voltage: core/core 800 Veff
core/screen 800 Veff



Temperature range:
laying temperature: min. -5 °C
operating temperature: fixed -30 °C to +70 °C
in motion -5 °C to +50 °C



Bending radius (min.): 7.5 x Ø of cable



Core identification: coloured (VDE 0815; BdSi, BdZ)



Fire properties:
halogen-free, no corrosive combustion gases (EN 50267-2-2, IEC 60754-2)
reduced fire propagation (EN 50266-2-2, IEC 60332-3 Cat. A)
minimum smoke emission (EN 50268-2, IEC 61034)



Test certificate: VDE Germany

Electrical parameters

Conductor diameter	(mm)	0.6	0.8
Loop resistance, max.	(Ω/km)	130	73.2
Insulation resistance, min.	(MΩ.km)	100	100
Mutual capacitance, max. at 800 Hz (until 4 pairs)	(nF/km)	144	144
Mutual capacitance, max. at 800 Hz	(nF/km)	120	120
Capacitance unbalance K ₁ , max. at 800 Hz (100 % of values)	(pF/100 m)	500	500
Capacitance unbalance K ₁ , max. at 800 Hz (80 % of values)	(pF/100 m)	300	300
Capacitance unbalance K _{9-K₁₂} , max. at 800 Hz (100 % of values)	(pF/100 m)	300	300
Capacitance unbalance K _{9-K₁₂} , max. at 800 Hz (80 % of values)	(pF/100 m)	100	100

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
J-H(St)H...Bd				
2 x 2 x 0.6	6.5	13	55	500 T, 1000 T
4 x 2 x 0.6	9.0	24	88	500 T, 1000 T
6 x 2 x 0.6	9.5	36	104	500 T, 1000 T

J-H(St)H...Bd

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
J-H(St)H...Bd				
10 x 2 x 0.6	11.0	59	143	500 T, 1000 T
20 x 2 x 0.6	13.0	116	216	500 T, 1000 T
30 x 2 x 0.6	15.5	172	312	500 T, 1000 T
40 x 2 x 0.6	17.0	228	378	500 T, 1000 T
50 x 2 x 0.6	19.0	285	474	500 T, 1000 T
60 x 2 x 0.6	21.0	342	571	500 T, 1000 T
80 x 2 x 0.6	24.0	455	680	500 T, 1000 T
100 x 2 x 0.6	26.5	568	887	500 T, 1000 T
2 x 2 x 0.8	7.5	21	70	500 T, 1000 T
4 x 2 x 0.8	11.0	41	124	500 T, 1000 T
6 x 2 x 0.8	11.5	62	152	500 T, 1000 T
10 x 2 x 0.8	13.5	103	214	500 T, 1000 T
20 x 2 x 0.8	16.0	203	336	500 T, 1000 T
30 x 2 x 0.8	19.5	304	490	500 T, 1000 T
40 x 2 x 0.8	22.0	404	625	500 T, 1000 T
50 x 2 x 0.8	25.0	505	788	500 T, 1000 T
60 x 2 x 0.8	27.0	606	924	500 T, 1000 T
80 x 2 x 0.8	30.5	807	1,218	500 T, 1000 T
100 x 2 x 0.8	34.0	1,008	1,500	500 T, 1000 T

Subject to technical changes.