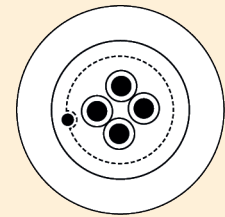
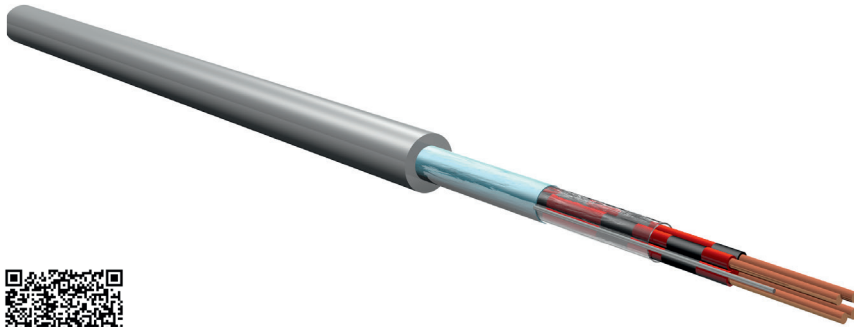


J-H(St)H

LSOH telecommunication cable

RoHS

CROSS SECTION



Acc. to DIN VDE 0815

APPLICATION

This cable is used as a voice line in intercom units and telephone extensions for fixed installation in dry and damp rooms as well as on external walls, protected against direct sunlight. Also for outdoor use. Not suitable for burying underground. It is halogen free and highly flame retardant. The static shield made from plastic-laminated metal foil protects the cable circuits against external electrical interferences to maintain the necessary capacitive coupling values and ensure accurate pulse transmission. Installation advice: when laid, these cables must be unwound from the coil or ring without any twists or kinks.

SPECIAL FEATURES

Properties
Halogen free

Sheath colour
Grey

STRUCTURE

Conductor	Copper conductor, bare, solid, design structure according to DIN VDE 0815/9.85 0.8 mm diameter, halogen-free insulation HI 2, wall thickness 0.3 mm, 5 star quads to each basic bundle and several basic bundles stranded in layers, core wrapping made from halogen-free foil, static wrapping with protective foil
Cores	Halogen-free polymer compound HI 2 according to VDE 0207 part 23 according to VDE 0815, bundle labelling using code numbers
Drain wire	Copper drain wire
Shield	Made from plastic-laminated aluminium foil with drain wire
Outer sheath	Halogen-free, flame-retardant HM 2

TECHNICAL DATA

Nominal voltage	300 V
Test voltage	800 V
Loop resistance	Max. 130 Ohm/km
Insulation resistance	Min. 100 Ohm/km
Cable attenuation	At 800 Hz approx. 1.5 dB/km
Operating capacity	Max. 120 nF/km
Operating temperature	-30°C to +70°C
Capacitive coupling	For 100 m max. 300 pF
Min. installation temperature	-5°C
Max. installation temperature	+50°C
Flame retardancy	HM 2
Bending radius	15 x cable diameter

TESTS ACCORDING TO DIN VDE 0472 AND IEC:

Smoke density	According to VDE 0472 part 816
Halogen-free nature	Corrosiveness of combustion gases acc. to VDE 0472 part 813 and IEC 754-1
Fire load/flame retardancy	Test method C according to VDE 0472 part 804 and IEC 332-3

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (kWh/m)	Product number
J-H(St)H 2x2x0.6 Bd	14.0	5.2	65	0.25	2895001
J-H(St)H 4x2x0.6 Bd	25.0	7.5	100	0.39	2895002
J-H(St)H 6x2x0.6 Bd	37.0	8.0	117	0.44	2895003
J-H(St)H 10x2x0.6 Bd	59.0	9.8	155	0.61	2895004
J-H(St)H 20x2x0.6 Bd	116.0	12.5	270	1.14	2895006
J-H(St)H 30x2x0.6 Bd	172.0	14.9	322	1.58	2895008
J-H(St)H 40x2x0.6 Bd	229.0	17.0	408	2.03	2895009
J-H(St)H 50x2x0.6 Bd	286.0	19.1	491	2.38	2895010
J-H(St)H 60x2x0.6 Bd	342.0	20.2	573	2.83	2895011
J-H(St)H 80x2x0.6 Bd	455.0	23.6	756	3.64	2895012
J-H(St)H 100x2x0.6 Bd	568.0	25.9	917	4.48	2895013
J-H(St)H 2x2x0.8 Bd	25.0	8.5	77	0.30	2895020
J-H(St)H 4x2x0.8 Bd	45.0	10.5	135	0.47	2895021
J-H(St)H 6x2x0.8 Bd	65.0	12.0	165	0.58	2895022
J-H(St)H 10x2x0.8 Bd	106.0	15.8	250	0.89	2895023
J-H(St)H 20x2x0.8 Bd	206.0	19.0	420	1.53	2895025
J-H(St)H 30x2x0.8 Bd	307.0	22.0	620	2.22	2895027
J-H(St)H 40x2x0.8 Bd	407.0	25.5	850	2.83	2895028
J-H(St)H 50x2x0.8 Bd	508.0	27.5	1000	3.45	2895029
J-H(St)H 60x2x0.8 Bd	608.0	29.5	1150	3.95	2895030
J-H(St)H 80x2x0.8 Bd	809.0	33.5	1550	5.20	2895031
J-H(St)H 100x2x0.8 Bd	1010.0	37.5	1850	6.28	2895032