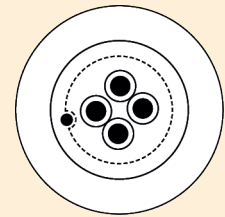
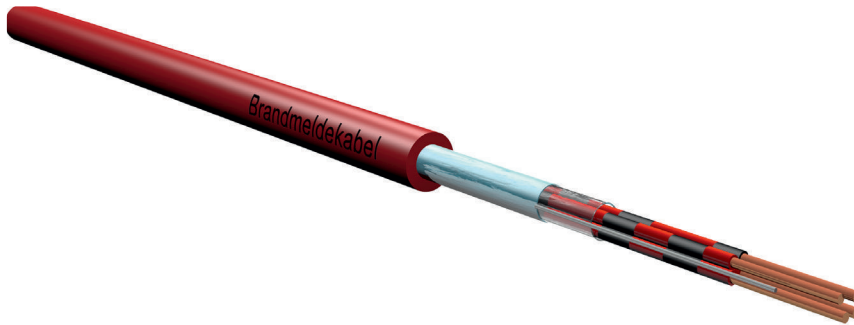


# J-H(St)H BMK

## LSOH fire signalisation cable

RoHS

### CROSS SECTION



Acc. to 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.

## STRUCTURE

<b>Conductor</b>	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, cores stranded into pairs, 4 pairs stranded into bundles, core wrapping made from halogen-free foil, static wrapping with protective foil
<b>Cores</b>	Halogen-free polymer compound HI 2 according to VDE 0207 part 23 according to VDE 0815, bundle labelling using code numbers
<b>Drain wire</b>	Copper drain wire
<b>Shield</b>	Made from plastic-laminated aluminium foil with drain wire
<b>Outer sheath</b>	Halogen-free, flame-retardant HM 2

## TECHNICAL DATA

<b>Nominal voltage</b>	300 V
<b>Test voltage</b>	800 V
<b>Loop resistance</b>	Max. 130 Ohm/km
<b>Insulation resistance</b>	Min. 100 MOhm x km
<b>Cable attenuation</b>	At 800 Hz approx. 1.5 dB/km
<b>Operating capacity</b>	Max. 120 nF/km
<b>Operating temperature</b>	-30°C to +70°C
<b>Capacitive coupling</b>	For 100 m max. 300 pF
<b>Min. installation temperature</b>	-5°C
<b>Max. installation temperature</b>	+50°C
<b>Flame retardancy</b>	HM 2
<b>Bending radius</b>	15 x cable diameter
<b>Ozone resistance</b>	HD 505.2.1 and 811
<b>Smoke density</b>	HD 606 and IEC 601034-1, 601034-2 and BS 7622 parts 1+2

### SPECIAL FEATURES

**Sheath colour**  
Red

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (kWh/m)
J-H(St)H 2x2x0.8 Bd BRAND	25.0	8.5	77	0.30
J-H(St)H 4x2x0.8 Bd BRAND	45.0	10.5	135	0.47
J-H(St)H 6x2x0.8 Bd BRAND	65.0	12.0	165	0.58
J-H(St)H 10x2x0.8 Bd BRAND	106.0	15.0	250	0.89
J-H(St)H 20x2x0.8 Bd BRAND	206.0	19.0	420	1.53
J-H(St)H 30x2x0.8 Bd BRAND	307.0	22.0	620	2.22
J-H(St)H 40x2x0.8 Bd BRAND	407.0	25.5	850	2.83
J-H(St)H 50x2x0.8 Bd BRAND	508.0	27.5	1000	3.45
J-H(St)H 60x2x0.8 Bd BRAND	608.0	29.5	1150	3.95
J-H(St)H 80x2x0.8 Bd BRAND	809.0	33.5	1550	5.20
J-H(St)H 100x2x0.8 Bd BRAND	1010.0	37.5	1850	6.28

