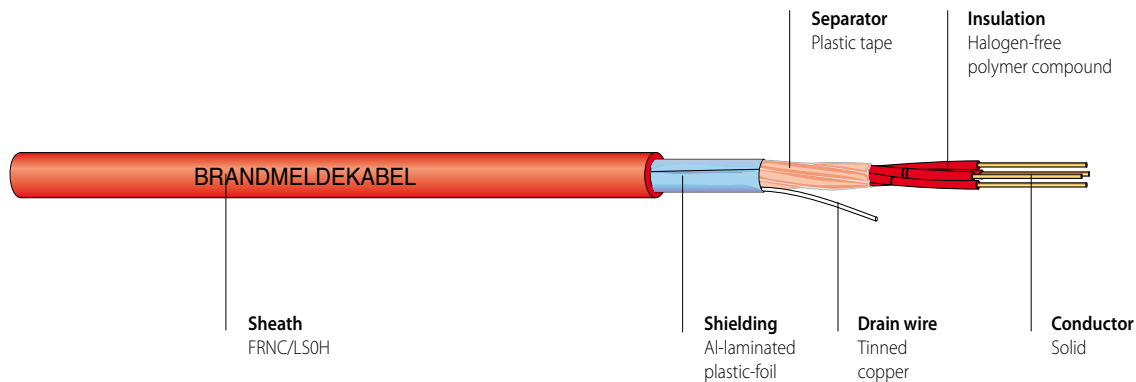


PREVENTIVE FIRE PROTECTION

J-H(St)H...Bd

Fire alarm cable max. 300V

Halogen-free, with improved fire characteristics
VDE 0815



PRODUCT INFORMATION



APPLICATION

Installation cable with electrostatic shield in fire vulnerable areas with high concentration of people and property value. For telecommunication and IT-systems for lossless data and signal transmission. Suitable for fixed laying in dry and humid rooms, on-wall and in-wall, outdoor use, no laying underground. Not to be used for power transmission. Permitted operating temperature at conductor of +70°C.

CONSTRUCTION

Conductor	Bare copper, solid, 0.6 or 0.8mm diameter
Insulation	Halogen-free polymer compound, EN 50290-2-26
Core identification	DIN VDE 0815 (different colours)
Stranding	Cores twisted to star-quads and quads to units
Shielding	Al-laminated plastic-foil with drain wire, copper tinned
Outer Sheath	Halogen-free polymer compound, EN 50290-2-27
Sheath colour	Red

ELECTRICAL PROPERTIES

Rated voltage	max. 300 V
Test voltage	800V 50Hz
Conductor resistance	
Loop:	0,6 mm max. 130 Ω/km
	0,8 mm max. 73,2 Ω/km
Insulation resistance	min. 100 MΩ x km
Capacity	max. 120 nF/km

GENERAL PROPERTIES

Minimum bending radius	permanent installation	2,5 x D
	during installation	7,5 x D
		(D = outer diameter)
Operation temperatur	permanent installation	-30 °C bis +70 °C
Operation temperatur	during installation	- 5 °C bis +50 °C
 Zero halogen		
 non corrosive gases		IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
 Flame propagation		IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
 Flame spread		IEC 60332-3-24 Cat. C, EN 60332-3-24 Cat. C, VDE 0482-332-3-24 Cat. C
 Smoke density		IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2

PRODUCT INFORMATION

Article No.	No. of cores x conductor diameter					Cu content	Total weight	Outer diameter	Fire load
	n x mm					kg/km	app. kg/km	app. mm	app. kWh/m
184 707	1	x	2	x	0,8	15	56	6,0	0,12
157 892	2	x	2	x	0,8	25	69	7,0	0,16
157 893	4	x	2	x	0,8	45	136	11,0	0,29
157 894	6	x	2	x	0,8	65	152	11,0	0,35
157 895	10	x	2	x	0,8	106	230	13,0	0,55
1172 017	20	x	2	x	0,8	206	508	21,0	1,21
1172 018	30	x	2	x	0,8	307	599	22,0	1,36
1172 019	40	x	2	x	0,8	407	787	25,0	1,67
157 406	50	x	2	x	0,8	508	973	25,0	2,19
1172 020	60	x	2	x	0,8	608	1121	30,0	2,44
1172 021	80	x	2	x	0,8	809	1476	34,0	3,18
1172 022	100	x	2	x	0,8	1010	1805	38,0	4,07

Fire alarm cable with red sheath and imprint "Brandmeldekabel" (fire alarm cable).

Additional dimensions available on request.