

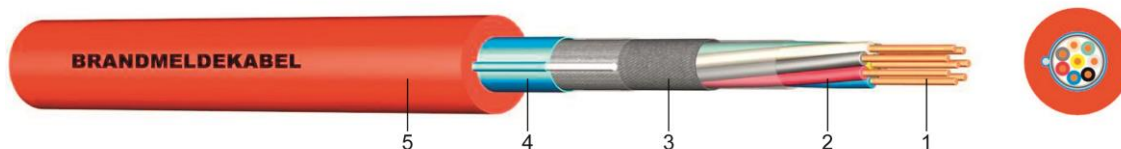


## JE-H(ST)H BMK ...Bd E30

## Halogen-Free and Flame Retardant Installation Cable for Fire Detection Circuits with Circuit Integrity of 30 Minutes

### Application:

Suitable for fixed installations in fire detection circuits. They are to be used in locations with fire hazard and where an insulation integrity of at least 180 minutes and a circuit integrity of at least 30 minutes are required.



### Construction:

- 1 ..... solid bare copper
- 2 ..... core insulation of halogen-free, similar ceramic polymer compound (HI 1), twisted
- 3 ..... layer of plastic foil
- 4 ..... static screen of plastic coated aluminium foil with a solid tinned drain wire 0,8 mm
- 5 ..... outer sheath of halogen-free polymer (HM 2) red with the marking "BRANDMELDEKABEL" (fire alarm cable)

### Information:

These cables fulfil the conditions of the tests to insulation integrity according to DIN VDE 0472-814/ 8.83 about 180 min. and IEC Public. 331 first edition 1970 to circuit integrity about 30 min. to DIN 4102-12 according to VDE 0100-710 and 0100-718.

### Standards:

- DIN VDE 0815 (core identification)
- DIN EN 60228 class 1 (construction)
- DIN VDE 0207-24

### Technical data:

Peak operating voltage		[V]	225 Volt
Temperature range	in motion		- 5°C till +50°C
	fixed		-30°C till +70°C
Bending radius	in motion	x diameter	7,5
Flammability	standard		EN 50266-2-4
	standard		EN 60332-1
	standard		IEC 60332-3 Kat.C
Insulation resistance	min.	[MΩ/km]	100
Mutal capacitance		[Ω/km]	73,2
	max.	[nF/km]	120
Capacitance unbalance 100m	max	[pF]	200

Number of pairs and nominal conductor diameter mm	from stock	Copper figure kg/km	Insulation thickness mm	Overall diameter appr. mm	Calorific potential kWh / m	Weight appr. kg / km
2 x 2 x 0,8	●	25	1,0	6,6	0,13	61
4 x 2 x 0,8	●	45	1,0	8,8	0,20	104
8 x 2 x 0,8	○	85	1,2	12,8	0,34	218
12 x 2 x 0,8	○	126	1,2	13,5	0,39	235
20 x 2 x 0,8	○	206	1,4	16,1	0,53	367