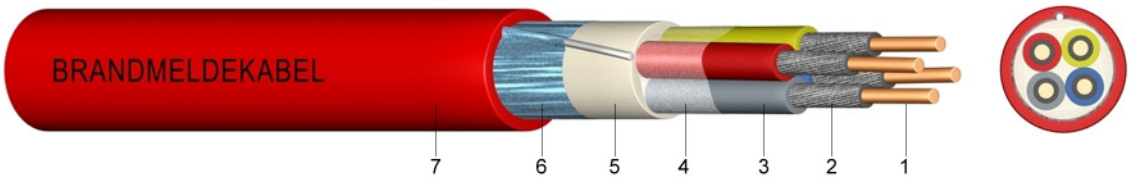
MEINHART

Datasheet Version 1/2009

JE-H(ST)H BMK ...Bd E90 Halogen-Free and Flame Retardant Installation Cables for Industrial Electronics with Circuit Integrity of 90 Minutes

Application: These installation cables are suitable for fixed installations in telecommunication. They are to be used in locations with fire hazard and where insulation integrity of at least 180 minutes and circuit integrity of at least 90 minutes are required.



Construction:

1 ..... solid bare copper
2 ..... core covering with glassfibre tape (MICA)
3 ..... core insulation of halogen-free, cross-linked polymer (HI 1)
4 ..... layer of plastic foil
5 ..... static screen of plastic laminated aluminium foil with a solid tinned drain wire 0,8 mm
6 ..... outer sheath of halogen-free polymer (HM 2) red with the marking "BRANDMELDEKABEL" (fire alarm cable)

Information: These cables comply 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.

According to:

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 50226-2-4
			EN 60332-1
			IEC 60332-3 Kat.C
Insulation resistance	min.	[MOhm/km]	100
Mutal capacitance		[Ohm/km]	73,2
	max.	[nF/km]	120
Capacitance unbalance 100m	max	[pF]	200

Number of pairs and nominal conductor diameter mm	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	12,8	0,56	177
4 x 2 x 0,8	45	1,0	16,3	0,85	284
8 x 2 x 0,8	85	1,2	20,3	1,33	447
12 x 2 x 0,8	126	1,2	23,9	1,84	615
16 x 2 x 0,8	166	1,4	26,6	2,22	756
20 x 2 x 0,8	206	1,4	29,4	2,72	921

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The above values correspond to the manufacturer´s specifications and are not guaranteed..