

Signal cable type 2200 BM

Halogen free signalling cable mbzh



Application:

- Halogen free signalling cable for fixed installation
- Especially for fire alarm and evacuation installations

Properties regarding fire performance:

- Halogen free, in accordance with NEN-EN 50267 (IEC 60754)
- Low smoke, in accordance with NEN-EN-IEC 61034
- Self extinguishing, in accordance with NEN-EN-IEC 60332

General properties:

- Good signal transmission, up to MHz frequencies

Remarks:

- Not suitable for power installations
- 1,5 and 2,5 mm² types suitable for 100 V audio systems

Construction:

Conductor: solid plain copper

Insulation: polyethylene (PE)

Assembly: cores cabled together

Outer sheath: halogen free flame retardant thermoplastic (LSOH)

Electrical properties::

Voltage rating: 300 V

Test voltage: 1,5 kV

Insulation resistance: > 500 M .km

Core colours:

Standard colours: in accordance with NEN 1597

Standards/References:

KEMA 102

NEN 2535, NEN 2575

NEN-EN-IEC 60332

NEN-EN-IEC 61034

NEN-EN 50267 (IEC 60754)

Additional information:

Minimum installation temperature: -20 °C

Operating temperature: min. -40 °C, max. +70 °C

Sheath colour: red

Approval: KEMA-KEUR

Packaging: coils, drums

Construction data

Diameter conductor	0.8 mm
Conductor category	Class 1 = solid
Stranding	Layers
Core insulation	PE
Core identification	Colour
Screen over stranding element	None
Screen over stranding	None
Longitudinal water blocking	No
Radial water blocking	No
Protective sheath	No
Armouring	No
Material outer sheath	Copolymer, thermoplastic
Colour outer sheath	Red
Halogen free (acc. EN 50267-2-2)	Yes
Flame retardant	Acc. EN 60332
Low smoke (acc. EN61034-2)	Yes
Circuit integrity	No
Operating temperature, flexible	-25/70 °C
Operating temperature, fix	-40/70 °C
Outdoor use	Yes
Conductor material	Cu, bare
Fire-resistant layer (core)	No
Fire-resistant layer (lay-up)	No
Armouring/reinforcement	None
Elements	x

Properties

Oil resistant	Good
---------------	------

Electrical

standards

Standard	KEMA K102
----------	-----------

Product packing

Length of 1 m
Length of 500 m
Reel of 500 m

Signal cable type 2200 BM - Continuation

Halogen free signalling cable mbzh



Product Range

Product nr.	No. of cores and conductor cross-section ¹ (n x mm/mm ²)	Type	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)
119757	1x0,8	2204 BM	4,5	20	30	30
126312	2x0,8	2202 BM	3,9	20	15	18
126313	3x0,8	2203 BM	4,2	20	22	24
126339	6x0,8	2206 BM	5,4	25	45	44
126340	8x0,8	2208 BM	5,8	25	60	60
126341	10x0,8	2210 BM	7	30	75	75
126342	12x0,8	2212 BM	7,1	30	90	85
126343	16x0,8	2216 BM	7,9	35	120	115
126344	20x0,8	2220 BM	9	45	150	135
126345	24x0,8	2224 BM	10,1	55	180	175
126346	30x0,8	2230 BM	12,8	80	225	245
128098	2x1	2202.100 BM	5,5	25	30	50
126347	2x1,5	2202.150 BM	5,9	25	45	44
126349	4x1,5	2204.150 BM	7,1	30	90	85
126348	2x2,5	2202.250 BM	6,7	30	75	85
126350	4x2,5	2204.250 BM	8	35	150	250

Electrical features

Product nr.	No. of cores and conductor cross-section ¹ (n x mm/mm ²)	Type
119757	1x0,8	2204 BM
126312	2x0,8	2202 BM
126313	3x0,8	2203 BM
126339	6x0,8	2206 BM
126340	8x0,8	2208 BM
126341	10x0,8	2210 BM
126342	12x0,8	2212 BM
126343	16x0,8	2216 BM
126344	20x0,8	2220 BM
126345	24x0,8	2224 BM
126346	30x0,8	2230 BM
128098	2x1	2202.100 BM
126347	2x1,5	2202.150 BM
126349	4x1,5	2204.150 BM
126348	2x2,5	2202.250 BM
126350	4x2,5	2204.250 BM