

Signal cable type 3400 BM

Halogen free multipair 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 60332-1

General properties:

- Good signal transmission at frequencies up to 100 kHz
- The construction of the cable largely prevents cross talk between the pairs

Remark:

- Not suitable for power installations

Construction:

Conductor: solid plain copper

Insulation: polyethylene (PE)

Assembly: cores twisted to a pair, wrapped with polyesterfoil

Outer sheath: halogen free flame retardant thermoplastic (LSOH)

Electrical properties:

Voltage rating: 300 V

Test voltage: 1,5kV

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 60332-1

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 element	Pairs
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 60332-1-2
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	x2x

Properties

Oil resistant	Good
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Electrical

Conductor resistance 20°C	37.5000 Ohm
Operating capacity	100

standards

Standard	KEMA K102
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Product packing

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

Product Range

Product nr.	Diameter conductor (mm)	Type	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)
126362	1x2x0,8	3401 BM	4,6	20	15	23
126363	2x2x0,8	3402 BM	6,6	30	30	42
126364	4x2x0,8	3404 BM	7,6	35	60	70
126365	6x2x0,8	3406 BM	9,4	50	90	115
126366	8x2x0,8	3408 BM	10,3	55	120	50
126367	12x2x0,8	3412 BM	12,1	75	180	200
126368	16x2x0,8	3416 BM	14,2	90	240	250
126369	20x2x0,8	3420 BM	15,7	95	300	310
126370	30x2x0,8	3430 BM	18,7	115	450	445

Signal cable type 3400 BM - Continuation

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Electrical features

Product nr.	Diameter conductor (mm)	Type
126362	1x2x0,8	3401 BM
126363	2x2x0,8	3402 BM
126364	4x2x0,8	3404 BM
126365	6x2x0,8	3406 BM
126366	8x2x0,8	3408 BM
126367	12x2x0,8	3412 BM
126368	16x2x0,8	3416 BM
126369	20x2x0,8	3420 BM
126370	30x2x0,8	3430 BM