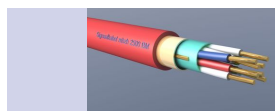


Signal cable type 2500 BM

Halogen free overall screened multipair signalling cable mbzh



Application:

- Halogen free signalling cable for fixed installation
- Especially for fire alarm and evacuation installations
- Suitable for areas with many electromagnetic interference (EMI) signals

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 at frequencies up to 100 kHz
- The construction of the cable largely prevents cross talk between the pairs
- The overall shield offers good protection against electromagnetic interference (EMI)

Remark:

- Not suitable for power installations

Construction:

Conductor: solid plain copper

Insulation: polyethylene (PE)

Cores: 2 cores twisted to a pair
4 cores twisted to a quad

Assembly: pairs or quad cabled and wrapped with polyester foil

Overall screen: metallized polyester foil with underneath a drain wire of solid plain copper

Outer sheath: halogen free flame retardant thermoplastic (LSOH)

Electrical properties:

Voltage rating: 300 V

Test voltage: 1,5kV

Insulation resistance: >1000 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
Core insulation	PE
Core identification	Colour
Screen over stranding element	None
Screen over stranding	Foil
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

Properties

Oil resistant	Good
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Electrical

standards

Standard	KEMA K102
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Product packing

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

Signal cable type 2500 BM - Continuation

Halogen free overall screened multipair signalling cable
mbzh



Product Range

Product nr.	No. of cores and conductor cross-section (n x mm²)	Type	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)
118977	1x2x0,8	2501 BM	5	20	15	31
118978	1x4x0,8	2502Q BM	5,7	25	30	44
126352	2x2x0,8	2502 BM	7,1	30	30	50
126353	3x2x0,8	2503 BM	7,5	30	45	65
126354	4x2x0,8	2504 BM	7,7	35	60	75
118979	6x2x0,8	2506 BM	9	45	90	105
126355	8x2x0,8	2508 BM	10,3	55	120	120
126356	10x2x0,8	2510 BM	11,7	60	150	185
126357	12x2x0,8	2512 BM	12,1	75	180	200
126358	14x2x0,8	2514 BM	12,7	80	210	210
126359	16x2x0,8	2516 BM	14,2	90	240	250
126360	20x2x0,8	2520 BM	15,7	95	300	320
118980	24x2x0,8	2524 BM	16,1	100	360	335
126361	30x2x0,8	2530 BM	18,7	115	450	535
129018	1x2x1	2501.100 BM	6	25	30	45
129019	1x2x1,5	2501.150 BM	6,4	30	45	55
128826	1x2x2,5	2501.250 BM	7,5	30	75	81

Type 2502Q BM: 2 pairs constructed as a quad, the opposite cores form a pair.

Electrical features

Product nr.	No. of cores and conductor cross-section (n x mm²)	Type
118977	1x2x0,8	2501 BM
118978	1x4x0,8	2502Q BM
126352	2x2x0,8	2502 BM
126353	3x2x0,8	2503 BM
126354	4x2x0,8	2504 BM
118979	6x2x0,8	2506 BM
126355	8x2x0,8	2508 BM
126356	10x2x0,8	2510 BM
126357	12x2x0,8	2512 BM
126358	14x2x0,8	2514 BM
126359	16x2x0,8	2516 BM
126360	20x2x0,8	2520 BM
118980	24x2x0,8	2524 BM
126361	30x2x0,8	2530 BM
129018	1x2x1	2501.100 BM
129019	1x2x1,5	2501.150 BM
128826	1x2x2,5	2501.250 BM

Type 2502Q BM: 2 pairs constructed as a quad, the opposite cores form a pair.