

Signal cable type 2200

Halogen free signalling cable mbzh



Application:

- Halogen free signalling cable for fixed installation

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, 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)

Cores: cabled

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-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: grey

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	Grey
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 cross section	1 mm ²
Conductor material	Cu, bare
Fire-resistant layer (core)	No
Fire-resistant layer (lay-up)	No
Armouring/reinforcement	None
Elements	x

Properties

Oil resistant	Good
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Electrical

standards

Standard	KEMA K102
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Product packing

Length of 1 m

Reel of 500 m

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)
128069	2x0,8	2202	3,9	20	15	18
128070	3x0,8	2203	4,2	20	22	24
128073	4x0,8	2204	4,5	20	30	30
128076	6x0,8	2206	5,4	25	45	44
128082	8x0,8	2208	5,8	25	60	60
129540	10x0,8	2210	7	30	75	75
128089	12x0,8	2212	7,1	30	90	85
128090	16x0,8	2216	7,9	35	120	115
128083	20x0,8	2220	9	45	150	135
128091	24x0,8	2224	10,1	55	180	175
128093	2x1	2202.100	4,9	20	30	50

Signal cable type 2200 - Continuation
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Electrical features

Product nr.	No. of cores and conductor cross-section ¹ (n x mm/mm ²)	Type
128069	2x0,8	2202
128070	3x0,8	2203
128073	4x0,8	2204
128076	6x0,8	2206
128082	8x0,8	2208
129540	10x0,8	2210
128089	12x0,8	2212
128090	16x0,8	2216
128083	20x0,8	2220
128091	24x0,8	2224
128093	2x1	2202.100