

Signal cable type 3400

Halogen free multipair 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 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)

Cores: twisted to a pair, wrapped with polyester foil

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-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 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	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 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

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)
128095	1x2x0,8	3401	4,6	20	15	23
128096	2x2x0,8	3402	6,6	30	30	42
128097	4x2x0,8	3404	7,6	35	60	70
129548	6x2x0,8	3406	9,4	50	90	115

Signal cable type 3400 - Continuation

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Electrical features

Product nr.	Diameter conductor	Type
	(mm)	
128095	1x2x0,8	3401
128096	2x2x0,8	3402
128097	4x2x0,8	3404
129548	6x2x0,8	3406