

Signal cable type 2700

Multicore Signalling cable mb



Application:

- Suitable for fixed installation
- For intercoms, security systems, fire alarm and instrumentation applications
- Also suitable for EIA/RS-232 systems with a low data transfer rate (<1Mbps) and PLC-systems

Properties regarding fire performance:

- Self-extinguishing in accordance with NEN-EN-IEC 60332-1

General properties:

- Good signal transmission at frequencies up to 100 kHz

Remarks:

- Not suitable for power installations

Construction:

Construction: solid plain copper

Insulation: polyvinyl chloride (PVC)

Assembly: cores cabled together

Outer sheath: polyvinyl chloride (PVC) flame retardant (mb)

Electrical properties:

Voltage rating: 50 V

Operating voltage, peak value: 300 V

Test voltage: 1,5 kV

Insulation resistance: > 500 MΩ.km

Core colours:

Standard colours: in accordance with NEN 1597

Standards/References:

K 102

NEN-EN-IEC 60332-1

NEN 1597

Additional information:

Minimum installation temperature: +5 °C

Operating temperature: min. -30 °C, max. +70 °C

Sheath colour: grey

Approval: KEMA-KEUR

Packaging: boxes, coils, drums

Construction data

Diameter conductor	0.8 mm
Conductor category	Class 1 = solid
Stranding	Layers
Core insulation	PVC
Core identification	Colour
Screen over stranding element	None
Screen over stranding	None
Protective sheath	No
Armouring	No
Material outer sheath	PVC
Colour outer sheath	Grey
Conductor material	Cu, bare
Fire-resistant layer (core)	No
Fire-resistant layer (lay-up)	No
Armouring/reinforcement	None
Elements	X.

Properties

Longitudinal water blocking	No
Radial water blocking	No
Halogen free (acc. EN 50267-2-2)	No
Halogen free (acc. EN 60754-1/2)	No
Flame retardant	In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)	No
Circuit integrity	No
Permitted cable outer temperature, in movement	5 / 70 °C
Permitted cable outer temperature, fixed	-30 / 70 °C
Outdoor use permitted	Yes
Oil resistant	Moderate

Electrical

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Product Range

Product nr.	No. of cores and conductor size ¹ (n x mm/mm ²)	Type	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)
114560	2X.0,8	2702	3,7	15	14	18
114560	2X.0,8	2702	3,7	15	14	18
114560	2X.0,8	2702	3,7	15	14	18
114560	2X.0,8	2702	3,7	15	14	18
129535	2X.1	2702.100	5,4	25	30	37
129536	2X.1,5	2702.150	5,8	25	45	48
129537	2X.2,5	2702.250	6,7	30	75	70
114561	3X.0,8	2703	3,9	20	21	24
114561	3X.0,8	2703	3,9	20	21	24
114561	3X.0,8	2703	3,9	20	21	24
114562	4X.0,8	2704	4,2	20	28	31
114562	4X.0,8	2704	4,2	20	28	31
114562	4X.0,8	2704	4,2	20	28	31
114562	4X.0,8	2704	4,2	20	28	31
129538	4X.1,5	2704.150	6,8	30	90	85
129539	4X.2,5	2704.250	8,0	35	150	130
114563	6X.0,8	2706	5,0	20	43	46
114563	6X.0,8	2706	5,0	20	43	46
114563	6X.0,8	2706	5,0	20	43	46
114564	8X.0,8	2708	5,5	25	57	60
114564	8X.0,8	2708	5,5	25	57	60
114564	8X.0,8	2708	5,5	25	57	60
114565	10X.0,8	2710	6,6	30	71	75
114566	12X.0,8	2712	6,8	30	86	85
114566	12X.0,8	2712	6,8	30	86	85
114566	12X.0,8	2712	6,8	30	86	85
114567	16X.0,8	2716	7,6	35	110	110
114567	16X.0,8	2716	7,6	35	110	110
114567	16X.0,8	2716	7,6	35	110	110
114568	20X.0,8	2720	8,7	45	140	145
114568	20X.0,8	2720	8,7	45	140	145
114568	20X.0,8	2720	8,7	45	140	145
114569	24X.0,8	2724	9,6	50	170	165
114569	24X.0,8	2724	9,6	50	170	165
114569	24X.0,8	2724	9,6	50	170	165

1) Conductor size of 0,8 type is conductor diameter in mm, of 1, 1,5 and 2,5 types is conductor cross section in mm²

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Electrical features

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114560	2X.0,8	2702
114560	2X.0,8	2702
129535	2X.1	2702.100
129536	2X.1,5	2702.150
129537	2X.2,5	2702.250
114561	3X.0,8	2703
114561	3X.0,8	2703
114561	3X.0,8	2703
114562	4X.0,8	2704
114562	4X.0,8	2704
114562	4X.0,8	2704
114562	4X.0,8	2704
129538	4X.1,5	2704.150
129539	4X.2,5	2704.250
114563	6X.0,8	2706
114563	6X.0,8	2706
114563	6X.0,8	2706
114564	8X.0,8	2708
114564	8X.0,8	2708
114564	8X.0,8	2708
114565	10X.0,8	2710
114566	12X.0,8	2712
114566	12X.0,8	2712
114566	12X.0,8	2712
114567	16X.0,8	2716
114567	16X.0,8	2716
114567	16X.0,8	2716
114568	20X.0,8	2720
114568	20X.0,8	2720
114568	20X.0,8	2720
114569	24X.0,8	2724
114569	24X.0,8	2724
114569	24X.0,8	2724

1) Conductor size of 0,8 type is conductor diameter in mm, of 1, 1,5 and 2,5 types is conductor cross section in mm²

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