

Telephone cable type 3600

Telephone cable



Application:

- Telephone networks, suitable for ISDN

Properties regarding fire performance:

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

General properties:

- Good signal transmission, also for high frequencies
- The construction of the cable largely prevents cross talk between the quads

Construction:

Conductor: solid plain copper

Insulation: polyethylene (PE)

Cores: 4 cores cabled to a (quad)

Assembly: quads cabled

Standard colours: colour thread around the quad (except for one quad type)

Earth conductor: type 3601: solid plain copper 0,5 mm; other types: 0,8 mm with polyethene insulation

Wrapping: polyester foil

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

with a PTT year thread and a rip cord underneath

Electrical properties:

Voltage rating: 90 V

Test voltage: 1 kV

Insulation resistance: > 500 MΩ.km

Capacitance unbalance: per quad < 500 pF/500 m between the quads < 250 pF/500 m

Core colours:

Standard colours: in a quad: red, white, blue, orange earth core grey (when there is more than one quad in the cable)

identification thread around the quads (in each lay):

red (first quad), blue (last quad), other quads alternately white and yellow

identification thread in the centre of the quad: white

Standards/References:

PTT-norm 88

K 102

NEN-EN-IEC 60332-1

NEN 1597

Additional information:

Minimum installation temperature: 0 °C

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

Sheath colour: grey

Approval: KEMA-KEUR

Packaging: drums

Constructiegegevens

Diameter conductor	0.5 mm
Conductor category	Class 1 = solid
Stranding element	Quad
Core insulation	PE (polyethylene)
Core identification	Colour
Screen over stranding element	None
Screen over stranding	None
Protective sheath	No
Armouring	Neer
Material outer sheath	PVC
Colour outer sheath	Grey
Conductor material	Cu, bare
Fire-resistant layer (core)	Neer
Fire-resistant layer (lay-up)	Neer
Armouring/reinforcement	None
Elements	x4x

Eigenschappen

Longitudinal water blocking	Neer
Radial water blocking	Neer
Halogen free (acc. EN 50267-2-2)	Neer
Halogen free (acc. EN 60754-1/2)	Neer
Flame retardant	In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)	Neer
Circuit integrity	No
Permitted cable outer temperature, in movement	0 / 70 °C
Permitted cable outer temperature, fixed	-30 / 70 °C
Outdoor use permitted	Ja
Oil resistant	Moderate

Elektrisch

Conductor resistance 20°C	93 ohm/km
Operating capacity	40 nF/km

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Assortiment

Product nr.	No. of cores and conductor cross-section ¹ (n x mm ²)	Type	Nominal overall diameter (mm)	Minimum bending radius (mm)	Maximum tensile strength (N)	Approx. weight (kg/km)
114546	1x4x0,5	3601	4,3	30	11	24
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114547	5x4x0,5	3605	9,2	60	61	95
114547	5x4x0,5	3605	9,2	60	61	95
114688	10x4x0,5	3610	12,6	80	120	165
114688	10x4x0,5	3610	12,6	80	120	165
123074	12x4x0,5	3612	13,0	80	140	190
114690	20x4x0,5	3620	16,7	105	235	310
117866	30x4x0,5	3630	19,7	120	355	440
117854	50x4x0,5	3650	25,0	150	600	700
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1) Conductor diameter 0,5 mm = AWG 24.

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Elektrische kenmerken

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114546	1x4x0,5	3601
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114546	1x4x0,5	3601
114547	5x4x0,5	3605
114547	5x4x0,5	3605
114688	10x4x0,5	3610
114688	10x4x0,5	3610
123074	12x4x0,5	3612
114690	20x4x0,5	3620
117866	30x4x0,5	3630
117854	50x4x0,5	3650
117854	50x4x0,5	3650

1) Conductor diameter 0,5 mm = AWG 24.

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