

Nexans ref.: 17037241

Country ref.: 4895442

GTIN: 7330000114364

Combined power supply and signalling cable

DESCRIPTION

Design

Combined power supply and signalling cable. The power supply conductors have a annealed copper wire strand, 1.0 or 1,5 mm² and insulation of halogen free, flame retardant plastic compound. The pairs for signalling have a plain annealed copper wire strand, 0.22 mm² or 0.5 mm² alternatively solid copper 0,6mm diameter. Insulation of solid polyethylene, are twisted to pairs and have a common screen of aluminium/ polyesterfoil. The cable has a sheath of halogen free, flame retardant plastic compound and is intended for fixed installation indoors. The cable is intended for use in passage control systems. Fire performance according to CPR class D_{ca}s₂d₂a₂. The cable emits no corrosive gases and has low smoke production during fire.

Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.



DECLARATION OF PERFORMANCE

Reaction to fire: D_{ca}-s₂,d₂,a₂
according to EN50575:2014
+A1:2016

STANDARDS

International IEC 60332-1



Reaction to fire
D_{ca}-s₂,d₂,a₂



Halogen free
Yes



Operation bending rad.
64 mm



Ambient installation T°C range
-10 .. 50 °C



Operating temp.
-15 .. 70 °C

CHARACTERISTICS

Construction characteristics

Screen	Aluminium-Polyester tape + tinned copper drain wire
Outer sheath	HFFR (polyolefin)
Colour	White
Halogen free	Yes
Conductor material	Tinned annealed copper
Type of conductor	Stranded copper

Dimensional characteristics

Nominal outer diameter	7.4 mm
Approximate weight	7.0 kg/100m

Electrical characteristics

Maximum operating voltage	100 V
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Usage characteristics

Laying operation bending radius	64 mm
Ambient installation temperature, range	-10 .. 50 °C
Operating temperature, range	-15 .. 70 °C
Packaging	Spool 100m

ELECTRICAL AND OTHER CHARACTERISTICS

Design- element	Conductor		Insulation	Resistance	Capacitance	Insul.resistance
	Material	Numberxdiameter		ohm/km	nF/km	Mohmxkm
Core 1.5 mm ²	Tinned Cu	7x0,5	HFFR	max 12,1	—	min 500
Core 1.0 mm ²	Tinned Cu	7x0.4	HFFR	max 20.2	—	min 500
Pair 0.22 mm ²	Plain Cu	7x0.2	PE	max 90.0	1x2: max 75; 2x2: max 65	min 5000
Pair 0.5 mm ²	Plain Cu	7x0,3	PE	max 39,2	max 65	min 5000
Pair 0.6 mm	Plain Cu	1x0.6	PE	max 66.6	max 65	min 5000