

CABLE CAT. 7 SFTP LSZH FLEXIBLE



FRNC-B

Description

The patch cable MK7104 is constructed for transmissions up to 600 MHz and exceeds with the electrical transmission properties and requirements of the category 7. With this cable transmission rates up to 10 GBit according to IEEE 802.3 are possible.

General data

Cable type	MK7104
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Mechanical characteristics

Bending radius (dynamic)	5 x OD
Bending radius (static)	5 x OD

Cable construction

Cable structure	S/FTP
Category	7
Conductor category	KL.2 = single wire
Conductor material	CU, tinned
AWG-size/quantity of cores	26/7
Screen over stranding	braiding
Stranding element	pairs
Screen over stranding element	foil + braid
Core insulation	foam-skin PE
Core identification	colour

Cable sheath

Material outer sheath	FRNC-B
Flame retardant	acc. EN 60332-1
Halogen free	acc. EN 60754-1/2; acc. EN 60754
Low smoke	acc. EN 61034

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Environmental conditions

Operating temperature, flexible	0 – 60 °C
Operating temperature, fix	-20 – 60 °C
Operating temperature, storage	0 – 60 °C

Electrical characteristics

Loop resistance	$\leq 142 \text{ Ohm/km}$
Resistance unbalance	$\leq 2 \%$
Insulation resistance (500V)	$\geq 100 \text{ MOhm/km}$
Impedance	$100 \pm 15 \text{ Ohm}$
Max. Frequency	600 MHz

Standards, approvals, certifications

Cabling standards	EN 50173-1;ISO/IEC 11801;ANSI/TIA 568-C.2;IEC 61156-5:2009;EN 50288-4-1
Installation standard	EN 50174
Directive/Regulation	RoHS 2011/65/UE
Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Cable	IEC 61156-5;EN 50288-4-1