

DATASHEET

Raw cable Cat.7, S/FTP, LSZH, grey, 100m ring

FRNC-B



General data

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.

Technical properties

AWG-size	26/7
Bending radius (dynamic)	5 x OD
Cable	IEC 61156-5
Cable structure	S/FTP
Cable type	EFB Cat.7 S/FTP Patchcable LSZH
Cabling standards	ANSI/TIA 568-C.2
Category	7
Characteristic impedance	100 ± 15 Ohm
Conductor category	Class 2 = stranded
Conductor material	Copper, tinned
Core identification	Colour
Core insulation	Foam-Skin-PE
Directive/Regulation	RoHS 2011/65/UE

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Flame retardant	according to EN 60332-1
Halogen free	acc. to EN 60754-1/2
Installation standard	EN 50174
Insulation resistance (500V)	$\geq 100 \text{ MOhm/km}$
Loop resistance	$\leq 142 \text{ Ohm/km}$
Low smoke	acc. to EN 61034
Material outer sheath	FRNC-B
Max. Frequency	600 MHz
Operating temperature, fix	-20 – 60 °C
Operating temperature, flexible	60 – °C
Operating temperature, storage	0 – 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	2 %
Screen over stranding	braiding
Screen over stranding element	Foil
Stranding element	Pairs
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
MK7104.100B	Raw cable Cat.7, S/FTP, LSZH, black, 100m ring	black	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100BL	Raw cable Cat.7, S/FTP, LSZH, blue, 100m ring	blue	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100G	Raw cable Cat.7, S/FTP, LSZH, grey, 100m ring	grey	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100GR	Raw cable Cat.7, S/FTP, LSZH, green, 100m ring	green	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100O	Raw cable Cat.7, S/FTP, LSZH, orange, 100m ring	orange	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km

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MK7104.100P	Raw cable Cat.7, S/FTP, LSZH, pink, 100m ring	magenta	100.0 m	8	simplex	6.5 mm				
MK7104.100R	Raw cable Cat.7, S/FTP, LSZH, red, 100m ring	red	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100V	Raw cable Cat.7, S/FTP, LSZH, violet, 100m ring	purple	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100W	Raw cable Cat.7, S/FTP, LSZH, white, 100m ring	white	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100Y	Raw cable Cat.7, S/FTP, LSZH, yellow, 100m ring	yellow	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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