

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.

Allgemeine Daten

Halogen free	acc. EN 60754
Conductor category	Class 2 = stranded
Cable type	EFB Cat.7 S/FTP Patchcable LSZH
UV resistance	no
Category	7
Stranding element	Pairs
Material outer sheath	FRNC-B
Core identification	Colour

Mechanische Eigenschaften

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

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Kabelaufbau

Conductor material	Cu, tinned
Cable Construction	S/FTP
AWG-size	26/7

Kabelmantel

Low smoke	acc. EN 61034
Flame retardant	acc. EN 60332-1

Umgebungsbedingungen

Operating temperature, storage	0 - 60 °C
Permitted cable outer temperature after assembling without vibration	-20 - 60 °C
Permitted cable outer temperature during assembling/handling	0 - 60 °C

Elektrische Eigenschaften

Screen over stranding	braiding
Screen over stranding element	Foil
Loop resistance	≤ 142 Ohm/km
Resistance unbalance	≤ 2 %
Characteristic impedance	100 ± 15 Ohm
Insulation resistance (500V)	≥ 100 MOhm/km
Max. Frequency	600 MHz
PoE	yes
Core insulation	foam-skin PE

Normen, Zulassungen, Zertifizierungen

Low smoke (according to EN 61034-2)	True
Cabling standards	ISO/IEC 11801
Installation standard	EN 50174
Cable	IEC 61156-5
Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Halogen free (according to EN 60754-1/2)	True
Directive/Regulation	RoHS 2011/65/UE

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Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Außendurchmesser ca.
MK7104.100B	Raw cable Cat.7, S/FTP, LSZH, black, 100m ring	black	100.0 m	8	simplex	6,5 mm
MK7104.100BL	Raw cable Cat.7, S/FTP, LSZH, blue, 100m ring	blue	100.0 m	8	simplex	6,5 mm
MK7104.100BR	Raw cable Cat.7, S/FTP, LSZH, brown, 100m ring	brown	100.0 m	8	simplex	6,5 mm
MK7104.100G	Raw cable Cat.7, S/FTP, LSZH, grey, 100m ring	grey	100.0 m	8	simplex	6,5 mm
MK7104.100GR	Raw cable Cat.7, S/FTP, LSZH, green, 100m ring	green	100.0 m	8	simplex	6,5 mm
MK7104.100O	Raw cable Cat.7, S/FTP, LSZH, orange, 100m ring	orange	100.0 m	8	simplex	6,5 mm
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	6,5 mm
MK7104.100V	Raw cable Cat.7, S/FTP, LSZH, violet, 100m ring	violet	100.0 m	8	simplex	6,5 mm
MK7104.100W	Raw cable Cat.7, S/FTP, LSZH, white, 100m ring	white	100.0 m	8	simplex	6,5 mm
MK7104.100Y	Raw cable Cat.7, S/FTP, LSZH, yellow, 100m ring	yellow	100.0 m	8	simplex	6,5 mm
MK7104.500BL	Raw cable Cat.7, S/FTP, LSZH, blue, 500m ring	blue	500.0 m	8	simplex	6,5 mm
MK7104.500G	Raw cable Cat.7, S/FTP, LSZH, grey, 500m ring	grey	500.0 m	8	simplex	6,5 mm
MK7104.500GR	Raw cable Cat.7, S/FTP, LSZH, green, 500m ring	green	500.0 m	8	simplex	6,5 mm
MK7104.500R	Raw cable Cat.7, S/FTP, LSZH, red, 500m ring	red	500.0 m	8	simplex	6,5 mm
MK7104.500Y	Raw cable Cat.7, S/FTP, LSZH, yellow, 500m ring	yellow	500.0 m	8	simplex	6,5 mm

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