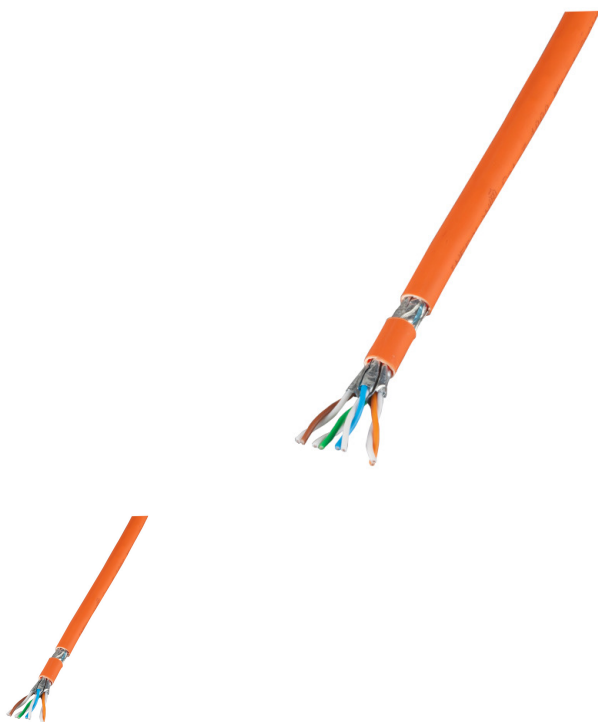


DATASHEET

LAN Cat.7 1000 AWG 23 S/FTP,4P FRNC-B, CPR Dca, orange



General data

The data cable MK7101.x is constructed for transmissions up to 1000 MHz and exceeds with the electrical transmission properties and requirements of the category 7. With this cable transmission rates up to 10 Gigabit Ethernet are possible without difficulty.

Allgemeine Daten

Conductor category	Class 1 = solid
UV resistance	no
Category	7
Stranding element	Pairs
Material outer sheath	FRNC-B
Core identification	Colour

Mechanische Eigenschaften

Bending radius (static)	30 mm
Bending radius (dynamic)	60 mm

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Kabelaufbau

Conductor material	Cu, tinned
AWG-size	23
Diameter conductor	0.56 mm
Cable Construction	S/FTP

Kabelmantel

Low smoke	acc. EN 61034
Euro class	DCA
Flame retardant	According to IEC/EN 60332-1-2

Umgebungsbedingungen

Permitted cable outer temperature during assembling/handling	0 - 50 °C
Permitted cable outer temperature after assembling without vibration	-20 - 60 °C

Elektrische Eigenschaften

Screen over stranding	braiding
Test voltage DC, 1 min	1000 V
Screen over stranding element	Foil
Loop resistance	191,2 Ohm/km
Characteristic impedance	100 ± 15 Ohm
Separation class acc. EN50174-2	D
Coupling attenuation	80 dB
Resistance unbalance	3 %
PoE	acc. to IEEE802.3at PoE+;acc. to IEEE802.3af PoE;yes;acc. to IEEE802.3bt 4PPoE
Max. Frequency	1000 MHz
Core insulation	foam-skin PE
NVP value	76 %

Normen, Zulassungen, Zertifizierungen

Low smoke (according to EN 61034-2)	True
Installation standard	EN 50174
Cabling standards	EN 50173-1;ISO/IEC 11801

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Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Harmonised Standard	EN 50575
Halogen free (acc. EN 50267-2-2)	True
Cable	IEC 61156-5
Halogen free (according to EN 60754-1/2)	True
Directive/Regulation	RoHS 2011/65/UE

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	RAL colour	Type	Außendurchmesser ca.	Brandlast
MK7101.1-CPR	LAN Cat.7 1000 AWG 23 S/FTP,4P FRNC-B, CPR Dca, orange	orange	1.0 m	8	RAL2003	simplex	7,4 mm	590 MJ/km
MK7101.100-CPR	LAN Cat.7 1000 AWG23 S/FTP,4P FRNC-B, CPR Dca, orange, 100m	orange	100.0 m	8	RAL2003	simplex	7,4 mm	590 MJ/km
MK7101.500-CPR	LAN Cat.7 1000 AWG23 S/FTP,4P FRNC-B, CPR Dca, orange, 500m	orange	500.0 m	8	RAL2003	simplex	7,4 mm	590 MJ/km

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