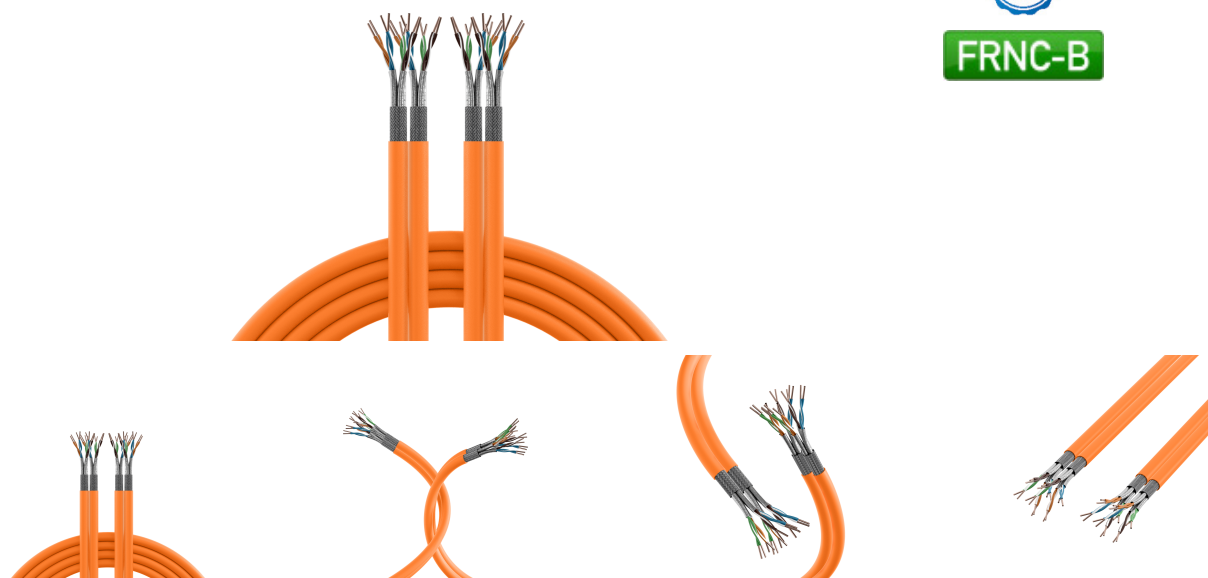


DATASHEET

Duplex LAN Cat.7 1000 AWG23 S/FTP,4P, CPR Dca, orange, 500m



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.

Technical properties

AWG-size	23/1
Armour	none
Bending radius (dynamic)	60 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/FTP
Cable type	EFB Cat.7 S/FTP 1000 AWG23 Eca
Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 $\pm$ 5 Ohm
Conductor category	Class 1 = solid

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Duplex LAN Cat.7 1000 AWG23 S/FTP,4P, CPR Dca, orange, 500m

Conductor material	Copper, tinned
Core identification	Colour
Core insulation	Foam-Skin-PE
Coupling attenuation	≥ 80 dB
Diameter conductor	0.56 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	Dca
Flame retardant	acc. to EN 60332-1
Halogen free	acc. to EN 60754
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 2000 MOhm/km
Loop resistance	191.2 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	FRNC-B
Max. Frequency	MHz MHz
NVP value	76 %
Operating capacity	43 pF/km
Operating temperature, fix	-20 - 60 °C
Operating temperature, flexible	0 - 50 °C
Operating temperature, storage	-20 - 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	3 %
Screen over stranding	braiding
Screen over stranding element	Foil
Separation class acc. EN50174-2	D
Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	False

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length of cores	Number RAL colour	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
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DATASHEET

Duplex LAN Cat.7 1000 AWG23 S/FTP,4P, CPR Dca, orange, 500m

MK7101DX.100-CPR	Duplex LAN Cat.7 1000 AWG23 S/FTP,4P, CPR Dca, orange, 100m	orange	100.0 m	2x8	RAL 2003	duplex	44 kg/km	116 kg/km	100 N	7.4 x 15.0 mm	1180 MJ/km
MK7101DX.500-CPR	Duplex LAN Cat.7 1000 AWG23 S/FTP,4P, CPR Dca, orange, 500m	orange	500.0 m	2x8	RAL 2003	duplex	44 kg/km	116 kg/km	100 N	7.4 x 15.0 mm	1180 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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