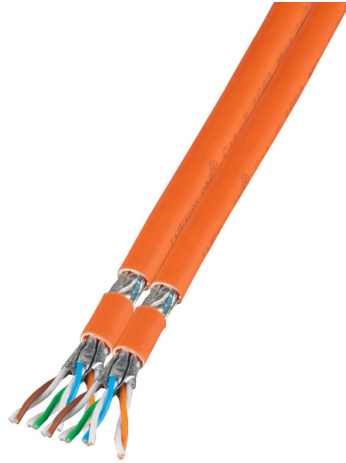


Cat.7 Duplex LAN Installation Cable 1000MHz AWG23 FRNC-B



Description

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.

Cable construction

Cable structure	S/FTP
Category	7
Conductor category	KL.1 = single wire
Conductor material	CU, tinned
AWG-size/quantity of cores	23
Diameter conductor	0.56 mm
Screen over stranding	braiding
Stranding element	pairs
Screen over stranding element	foil
Core insulation	foam-skin PE
Core identification	colour

Cable sheath

Material outer sheath	FRNC-B
Euro class	Dca
Flame retardant	acc. EN 60332-1-2

Environmental conditions

Operating temperature, flexible	0 – 50 °C
Operating temperature, fix	-20 – 60 °C

This datasheet was created automatically on 18-02-2021 . Technical changes reserved.



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Electrical characteristics

PoE	acc. to IEEE 802.3at; acc. to IEEE 802.3af; yes; PoE+
NVP value	76 %
Max. Frequency	1000 MHz

Standards, approvals, certifications

Cabling standards	EN 50173-1; ISO/IEC 11801
Harmonised Standard	EN 50575
Directive/Regulation	RoHS 2011/65/UE
Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Cable	IEC 61156-5

Available variants

Article no.	Title	Length	Colour outer sheath	RAL colour	Number of cores	Type	Outer diameter approx.
MK7101DX.100-CPR	Duplex LAN Cat.7 1000 AWG23 S/FTP, 4P FRNC-B, CPR Dca, orange, 100m	100.0 m	orange	RAL 2003	2x8	Duplex	7,4 x 15,0 mm
MK7101DX.500-CPR	Duplex LAN Cat.7 1000 AWG23 S/FTP, 4P FRNC-B, CPR Dca, orange, 500m	500.0 m	orange	RAL 2003	2x8	Duplex	7,4 x 15,0 mm