## **DATASHEET**

### Cat.7 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
Low smoke	acc. EN 61034

#### **Environmental conditions**

Operating temperature, flexible 0 – 50 °C



# **DATASHEET**

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

Environmental conditions		
Operating temperature, fix	-20 – 60 °C	
Electrical characteristics		
PoE	acc. to IEEE 802.3at;acc. to IEEE 802.3af;yes;PoE+	
NVP value	76 %	
Impedance	100 ± 25 Ohm	
Separation class acc. EN50174-2	D	
Coupling attenuation	80 dB	
Max. Freuqency	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	