Slim patchcord 6A UTP LSZH Cu blanco

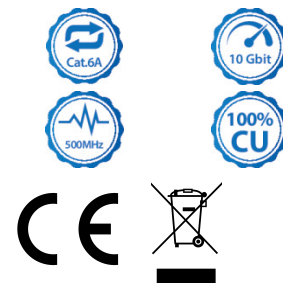**IDEAL technologies**

Description

The shielded Cat.6A RJ45 patch cable ensures excellent performance for **10 Gigabit** Ethernet applications. The **TPE** outer sheath makes the cable **highly flexible** and thus easier to handle. The moulded grommet captivates with its **slim design** and simplifies the plugging process in cramped conditions. The **short connector** in combination with the **thin outer jacket** enables a very **high packing density**.

Cross section: 4 x 2 x **AWG30/7**
Cable diameter: **3,6mm**
Cable structure: U/UTP

General data

Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	RJ45 short version
Contacts	3 µ" gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Unshielded
Anti-kink sleeve	moulded
Colour anti-kink sleeve	white
Locking lever	Yes

Mechanical characteristics

Mating cycles	2000
Bending radius	15 mm

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Cable construction

Cable type	U/UTP
Cable construction	4x2
AWG-size	30/7
Conductor Material	Copper

Cable sheath

Silicone-free	yes
Jacket material	TPE/LSZH
Colour outer sheath	white
Printing	Cat.6A Patchcord ULTRAFLEX U/UTP TPE 10G
Outer diameter of the cable	3.6 mm
Low smoke	Yes

Environmental conditions

Temperature range	-20 – 75 °C

Electrical characteristics

NVP value	76 %
Impedance	100 ±15 Ω
Conductor resistance DC	376 Ω/km
Loop resistance	<371 Ω/km
Resistance unbalance	<4 %
Insulation resistance	100 MΩ
Contact resistance	<20 mΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen
POE class	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt

Transmission characteristics

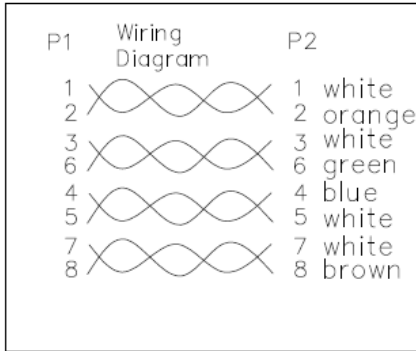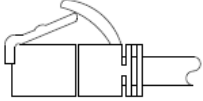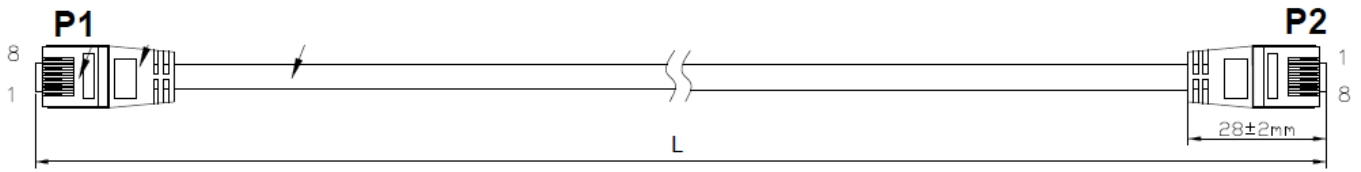|	
Bandwidth	500MHz

Standards, approvals, certifications

Connector	IEC 60603-7-41

Available variants

Article no.	Title	Length
K8108WS.0,15	Slim patchcord 6A UTP LSZH Cu 0,15m blanco ECOLAN	0.15 m
K8108WS.0,25	Slim patchcord 6A UTP LSZH Cu 0,25m blanco ECOLAN	0.25 m
K8108WS.0,5	Slim patchcord 6A UTP LSZH Cu 0,5m blanco ECOLAN	0.5 m
K8108WS.1	Slim patchcord 6A UTP LSZH Cu 1m blanco ECOLAN	1.0 m
K8108WS.2	Slim patchcord 6A UTP LSZH Cu 2m blanco ECOLAN	2.0 m
K8108WS.3	Slim patchcord 6A UTP LSZH Cu 3m blanco ECOLAN	3.0 m
K8108WS.5	Slim patchcord 6A UTP LSZH Cu 5m blanco ECOLAN	5.0 m

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P1   **P2**

8   1

1   8

L

28±2mm

Wiring Diagram		
P1		P2
1		1 white
2		2 orange
3		3 white
6		6 green
4		4 blue
5		5 white
7		7 white
8		8 brown

Length(L)	Item No.	Color
0.15m+/−5mm	K8108SW.x	Black
0.25m+/−5mm	K8108WS.x	White
0.5m+/−5mm		
1m+/−10mm		
2m+/−20mm		
3m+/−30mm		
5m+/−50mm		

insulation

conductor

jacket

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