

RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE, 3,6mm ultraflex, white



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 structure	U/UTP
Cable construction	4x2
AWG-size/strands per core	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
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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

Transmission characteristics

Bandwidth	500MHz
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Standards, approvals, certifications

Connector	IEC 60603-7-41
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Available variants

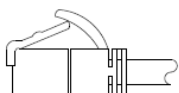
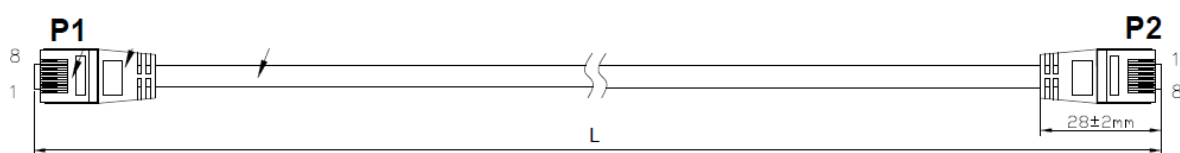
Article no.	Title	Length
K8108WS.0,15	RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 0.15m, white	0.15 m
K8108WS.0,25	RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 0,25m, white	0.25 m
K8108WS.0,5	RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 0,5m, white	0.5 m

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K8108WS.1	RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 1m, white	1.0 m
K8108WS.2	RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 2m, white	2.0 m
K8108WS.3	RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 3m, white	3.0 m
K8108WS.5	RJ45 Patch cable U/UTP, Cat.6A, Raw cable TPE 3,6mm ultraflex, 5m, white	5.0 m

Technical drawings



P1	Wiring Diagram	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		

