

DATASHEET

RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 0,5m



General data

The unshielded Cat.6A RJ45 **flat patch cable** ensures excellent performance for **10 Gigabit Ethernet** applications. The flat patch cable impresses with its flat construction and is with **1.6mm height ideal for laying e.g. behind ledges or under a carpet**. The cast grommet captivates with its **slim design** and thus simplifies the plugging process in confined spaces.

Sheath material: PVC

Cross section: 4 x 2 x **AWG30 / 7**

Cable diameter: **6.0 x 1.6 mm**

Plug type: **short plug**

Allgemeine Daten

Connector type	RJ45 short version
Contacts	Gold plated µ" Gold plated
Model	Unshielded
Suitable for degree of protection (IP)	IP20
Fire retardant version	False
Pin assignment	1:1
Locking lever	True
Material outer sheath	Polyvinylchlorid (PVC)

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Allocation	acc. TIA/EIA 568B
Colour anti-kink sleeve	white
Cable type	U/UTP
Current Rating	max. 1 A
Anti-kink sleeve	moulded-on
Area of Application	Structured cabling
Colour outer sheath	white
Category	6A (TIA)
Halogen free	False

Mechanische Eigenschaften

Conductive shield	Selected shield contact
Mating cycles	2000
Bending radius	10 mm

Kabelaufbau

Type of connector connection 2	RJ45 8(8)
AWG-size	30/7
Type of connector connection 1	RJ45 8(8)
Conductor Material	Copper
Cable construction	4x2

Kabelmantel

Oil resistant (according to EN 60811-404)	False
Printing	SLIM PATCHCABLE U/UTP CAT.6A ***10GB*** www.efb-elektronik.de
Silicone-free	True
Outer diameter of the cable	6.0*1.6 mm

Umgebungsbedingungen

Temperature range	-20 - 55 °C
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Elektrische Eigenschaften

Loop resistance	752 Ω/km
Test voltage	1000 V DC, 1min
Impedance	100 ±15 Ω

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Conductor resistance DC	376 Ω/km
Resistance unbalance	< 4 %
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
NVP value	76 %
Insulation Resistance	100 MΩ

Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Normen, Zulassungen, Zertifizierungen

Cabling standard	EN50173
Oil resistant (acc. EN 60811-2-1)	False
Connector	IEC 60603-7-51

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K8107WS.0,25	RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 0,25m	0.25 m	±5 %
K8107WS.0,5	RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 0,5m	0.5 m	±5 %
K8107WS.1	RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 1m	1.0 m	±5 %
K8107WS.1,5	RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 1,5m	1.5 m	±5 %
K8107WS.2	RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 2m	2.0 m	±5 %
K8107WS.3	RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 3m	3.0 m	±5 %
K8107WS.5	RJ45 Flat Patch Cord Cat.6A U/UTP PVC white 5m	5.0 m	±5 %

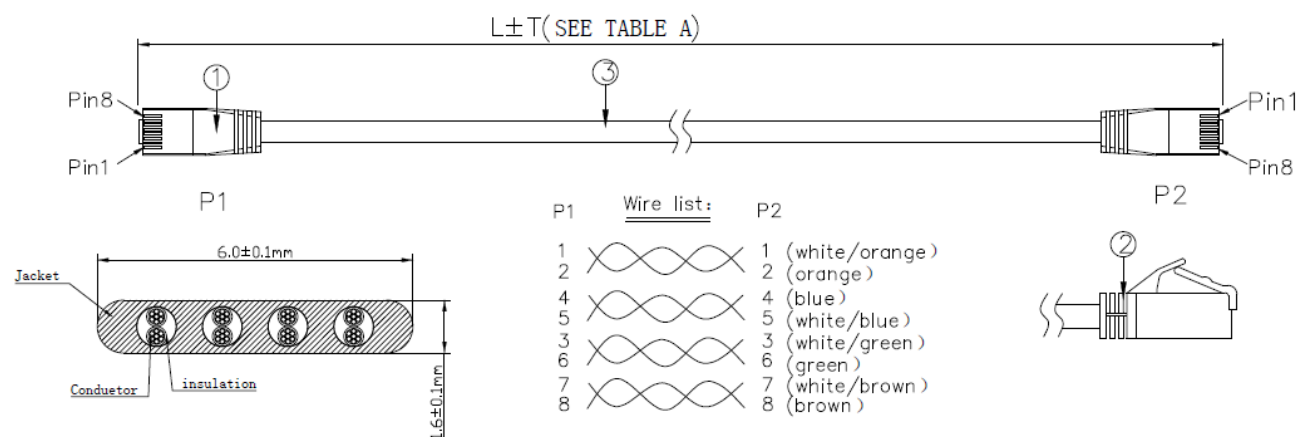
Drawings

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