

DATASHEET

RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red



General data

RJ45 patch cable Cat.6 U/UTP LSZH CCA

The Cat.6 patch cable has gold-plated contacts and meets the requirements for 5Gbit Ethernet.

Technical product features

- Cat.6
- U/UTP cable with AWG24/7
- Jacket material made of halogen-free LSZH
- Fire protection: flame-retardant, halogen-free, low smoke
- Plug connection: RJ45 to RJ45
- With locking lever protection
- Has gold-plated contacts

This datasheet was created automatically on 25-11-2025 . Technical changes reserved.



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The jacket of the patch cable is made of halogen-free LSZH material.

The assignment of the RJ45 plugs is 1:1 and follows TIA/EIA 568B .

The data cable has a conductor material made of CCA and is ideal for applications in structured building cabling, industrial Ethernet and data centers. The frequency range is up to 250 MHz.

Technical properties	
AWG-size	24
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of application	Structured cabling
Bending radius	30 mm
Cable construction	4x2
Cable shape	rund
Cable type	U/UTP
Cabling standard	ANSI/TIA-568
Category	6
Colour anti-kink sleeve	red
Colour outer sheath	red
Conductive shield	No
Conductor Material	CCA
Connector	IEC 60603-7-4
Connector type	RJ45 standard
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Harmonised Standard	EN 50575
Impedance	100
Jacket material	LSZH
Length imprint	True
Locking lever	True
Low smoke	nach IEC61034
Mating cycles	≥750
Model	unshielded
Oil resistant	no
Operating Temperature	0 – 60 °C
Operating-/ tempering voltage	max. 50 V DC

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Outer diameter of the cable	5.9 mm
Ozone resistance	No
Pin assignment	1:1
Printing	CAT.6 U/UTP AWG24 stranded × 4pairs LSZH cable ***5 GIGABIT*** www.efb-elektronik.de
Resistant to chemicals	False
Silicone-free	True
Suitable for degree of protection (IP)	IP20
Tape width	250MHz
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	5Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
UL approbated	False
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K8104RT.0,25	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 0,25m	0.25 m	No	±5 %
K8104RT.0,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 0,5m	0.5 m	No	±5 %
K8104RT.1	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 1m	1.0 m	No	±5 %
K8104RT.1,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 1,5m	1.5 m	No	±5 %
K8104RT.2	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 2m	2.0 m	No	±5 %
K8104RT.3	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 3m	3.0 m	No	±5 %
K8104RT.5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 5m	5.0 m	No	±5 %
K8104RT.7,5	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 7,5m	7.5 m	No	±5 %
K8104RT.10	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 10m	10.0 m	No	±5 %
K8104RT.15	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 15m	15.0 m	No	±5 %
K8104RT.20	RJ45 Patch Cord Cat.6 U/UTP LSZH CCA red 20m	20.0 m	No	±5 %

Drawings

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Length

CN1

1

8

1

2

3

40mm REF

CE

1

8

CN2

WIRING DIAGRAM

CN1 (568B)

CN2 (568B)

1 WHITE-ORANGE

2 ORANGE

3 WHITE-GREEN

4 BLUE

5 WHITE-BLUE

6 GREEN

7 WHITE-BROWN

8 BROWN

80.00 mm

9.00 mm

9.00 mm

0,15m / 0,25m

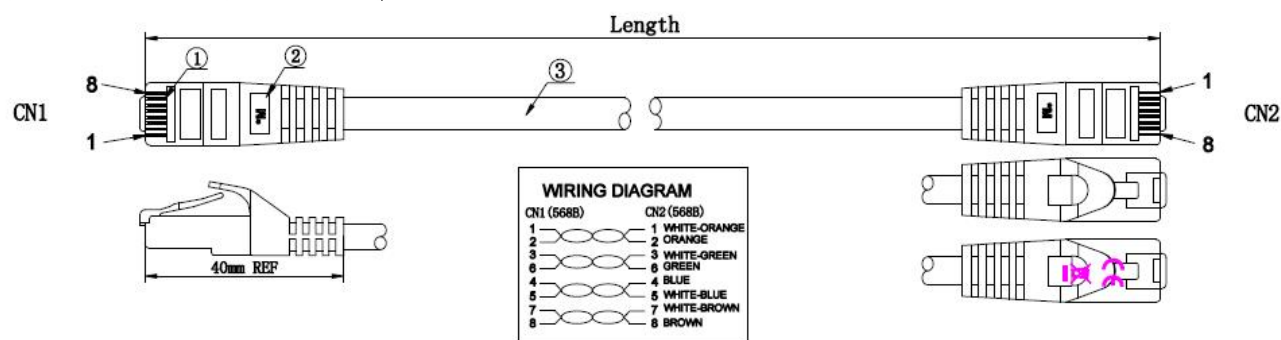
EFB

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RECYCLING SYMBOL

LABEL:



TKH GROUP

