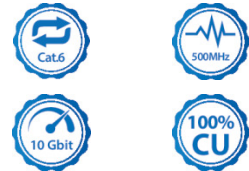
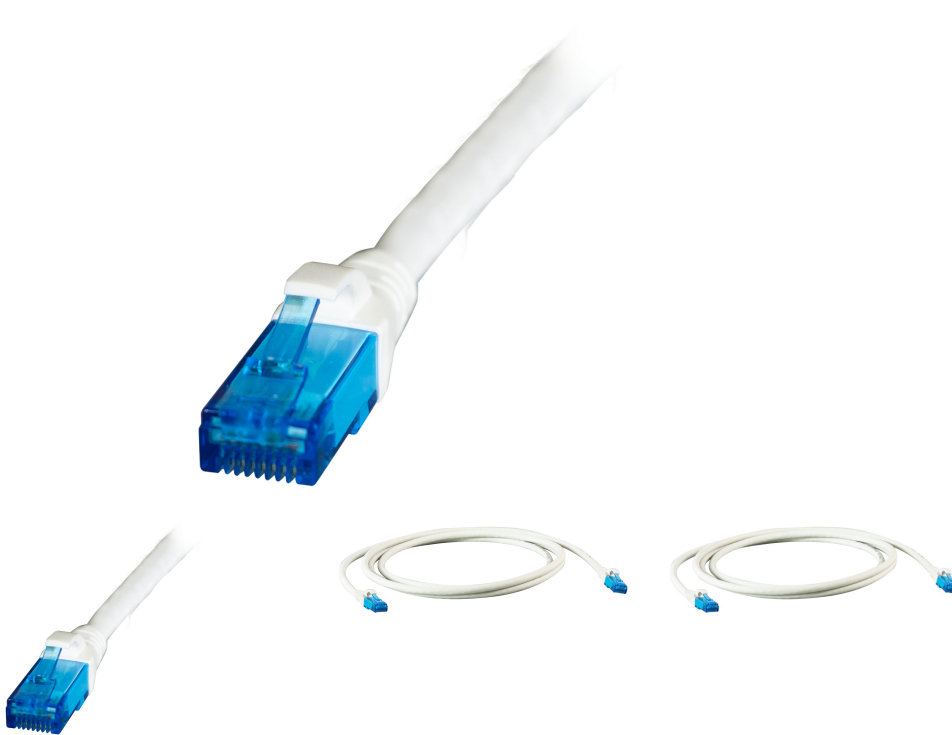


DATASHEET

INFRALAN® RJ45 Patch cable U/UTP, Cat.6A, LSZH, Premium, 500MHz, 10m, white



General data

The Cat.6A (TIA) Ethernet cable from the INFRALAN brand supports data transmissions up to 10Gbit. Because it is a Cat.6A (TIA) data cable, it supports a frequency range up to 500MHz, which provides high data transmission performance.

- Cover fire protection requirements in compliance with standards – flame-retardant cable behaviour according to IEC60332-1 reduces the spread of fire in the event of a fault and supports compliance with common installation specifications.
- Increased safety in the event of a fire – low smoke development after IEC61034 helps to keep escape routes as low as possible in the event of a fire, and the halogen-free materials according to IEC60754-2 reduce the development of corrosive fire gases.
- Reliable performance for your network connection – the pure copper conductor material ensures stable data transmission and supports consistent signal quality in typical IT and home network applications.

Product Description

The unshielded design in this U/UTP patch cable enables cost-effective networking in low-interference environments while providing high flexibility for easy installation. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of 30 mm. The LSZH jacket is halogen-free and low-smoke. In the event of a fire, it minimizes smoke development and increases indoor safety.

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DATASHEET

INFRALAN® RJ45 Patch cable U/UTP, Cat.6A, LSZH, Premium, 500MHz, 10m, white

Technical details

- Cat.6A (TIA)
- Connector: RJ45 8(8) to RJ45 8(8) with blue RJ45 connectors
- Shielding: U/UTP cable with 4x2 x AWG24/7
- Pin assignment: 1:1 according to TIA/EIA 568B
- Gold-plated contacts
- Sheath: LSZH sheath material
- Outer diameter: 6.0 mm
- With an injected anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1, low-smoke according to IEC61034, halogen-free according to IEC60754-2
- With locking lever protection
- Mating cycles: ≥ 750
- Brand: INFRALAN

Technical properties	
AWG-size	24/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Bandwidth	500MHz
Bending radius	>30 mm
Cable construction	4x2
Cable type	U/UTP
Cabling standard	ISO/IEC 11801
Category	6A (TIA)
Colour anti-kink sleeve	white
Colour outer sheath	white
Conductor Material	Copper
Connector	IEC 60603-7-41
Connector type	RJ45 standard blue
Contacts	Gold plated
Fire retardant version	acc. IEC60332-1
Halogen free	True
Locking lever	True
Low smoke	True
Material outer sheath	LSZH
Mating cycles	≥ 750
Model	unshielded
NVP value	- %

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DATASHEET

INFRALAN® RJ45 Patch cable U/UTP, Cat.6A, LSZH, Premium, 500MHz, 10m, white

Operating Temperature	-20 – 60 °C
Outer diameter of the cable	6.0 mm
Pin assignment	1:1
Printing	Cat.6A PREMIUM Patchcord U/UTP 4x2xAWG24/7 ISO/IEC11801 TIA/EIA-568-C.2 ***10Gigabit Ethernet***
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)

Available variants

ArtNr.	Bezeichnung	Length
IPK-6A-U-HFR-WS-1000	INFRALAN® RJ45 Patch cable U/UTP, Cat.6A, LSZH, Premium, 500MHz, 10m, white	10.0 m

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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