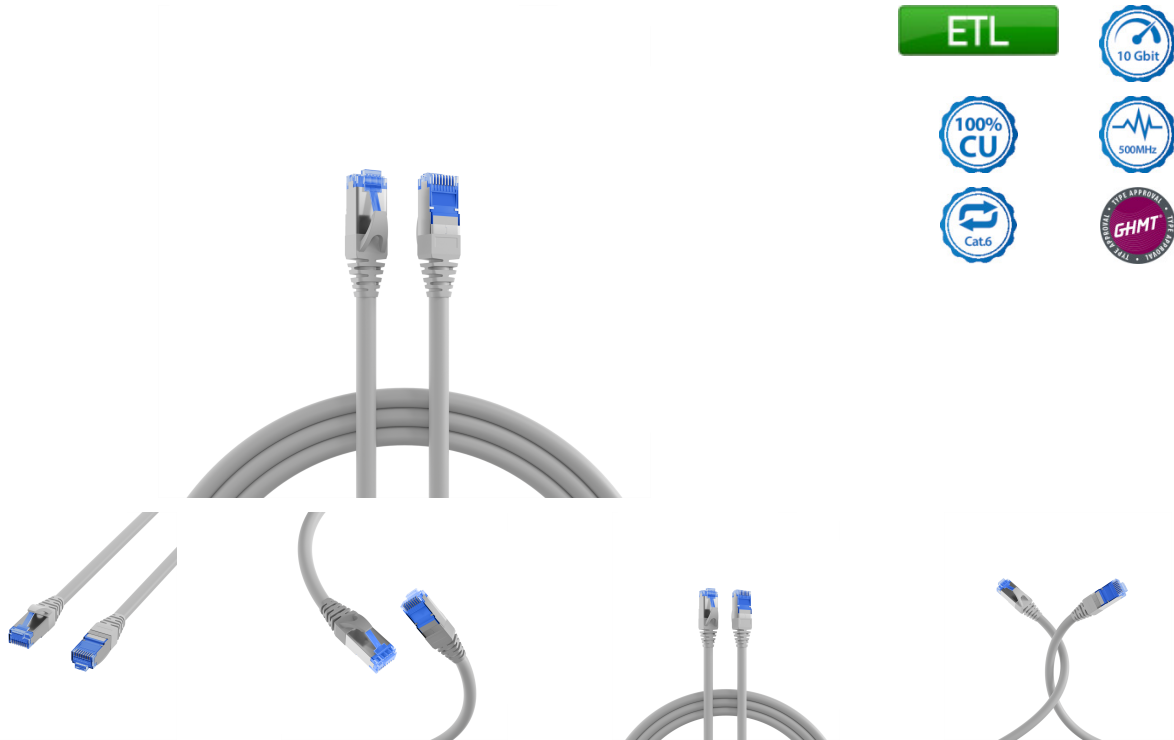


DATASHEET

INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 0,50m, grey



General data

The S/FTP shielding reliably protects against interference and ensures good signal quality. Because it is a Cat.6A (TIA) network cable, it supports a frequency range of up to 500MHz, which provides high data transmission performance.

- Increase interference immunity in electromagnetically charged environments – double shielding (S/FTP) improves EMC reserve, reduces susceptibility to radiation and stabilizes transmission in parallel cable routing.
- 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 generation after IEC61034 helps to keep escape routes as low in smoke as possible in the event of a fire, and the halogen-free materials according to IEC60754-2 reduce the development of corrosive fire gases.

Product Description

The S/FTP patch cable has a double shield that effectively minimizes electromagnetic interference. It can be used in a temperature range of -20 – 60 °C. The patch cable has an IP20 rating. The LSZH jacket is halogen-free and low-smoke. In the event of a fire, it minimizes smoke development and increases indoor safety.

Technical details

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DATASHEET

INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 0,50m, grey

- Cat.6A (TIA)
- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
- Shielding: S/FTP cable with 4x2 x AWG26
- Cable shape: round
- 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
- Degree of protection: IP20
- With a 360° umbrella attachment
- With locking lever protection
- Mating cycles: ≥750
- Brand: INFRALAN

Technical properties	
AWG-size	26
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
Bandwidth	500MHz
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Category	6A (TIA)
Colour anti-kink sleeve	grey
Colour outer sheath	grey
Conductive shield	360° shield contact
Conductor Material	Copper
Connector type	RJ45 standard
Contacts	Gold plated
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Harmonised Standard	EN 50575
Locking lever	True
Low smoke	acc. IEC61034
Material outer sheath	LSZH

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DATASHEET

INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 0,50m, grey

Mating cycles	≥750
Model	shielded
Oil resistant	no
Operating Temperature	-20 – 60 °C
Outer diameter of the cable	6.0 mm
Ozone resistance	No
Pin assignment	1:1
Printing	Cat.6A PREMIUM Patchcord U/UTP 4x2xAWG24/7 ISO/IEC11801 TIA/EIA-568-C.2 ***10Gigabit Ethernet***
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
Test voltage	1000 (V DC, 1min) core/core und core/screen
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
IPK-6A-U-TPE-GR-0025	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 0,25m, grey	0.25 m
IPK-6A-U-TPE-GR-0050	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 0,50m, grey	0.5 m
IPK-6A-U-TPE-GR-0100	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 1m, grey	1.0 m
IPK-6A-U-TPE-GR-0200	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 2m, grey	2.0 m
IPK-6A-U-TPE-GR-0300	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 3m, grey	3.0 m
IPK-6A-U-TPE-GR-0500	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 5m, grey	5.0 m
IPK-6A-U-TPE-GR-0750	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 7,5m, grey	7.5 m
IPK-6A-U-TPE-GR-1000	INFRALAN® RJ45 patch cord S/FTP, Cat.6A, TPE superflex, 10m, grey	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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