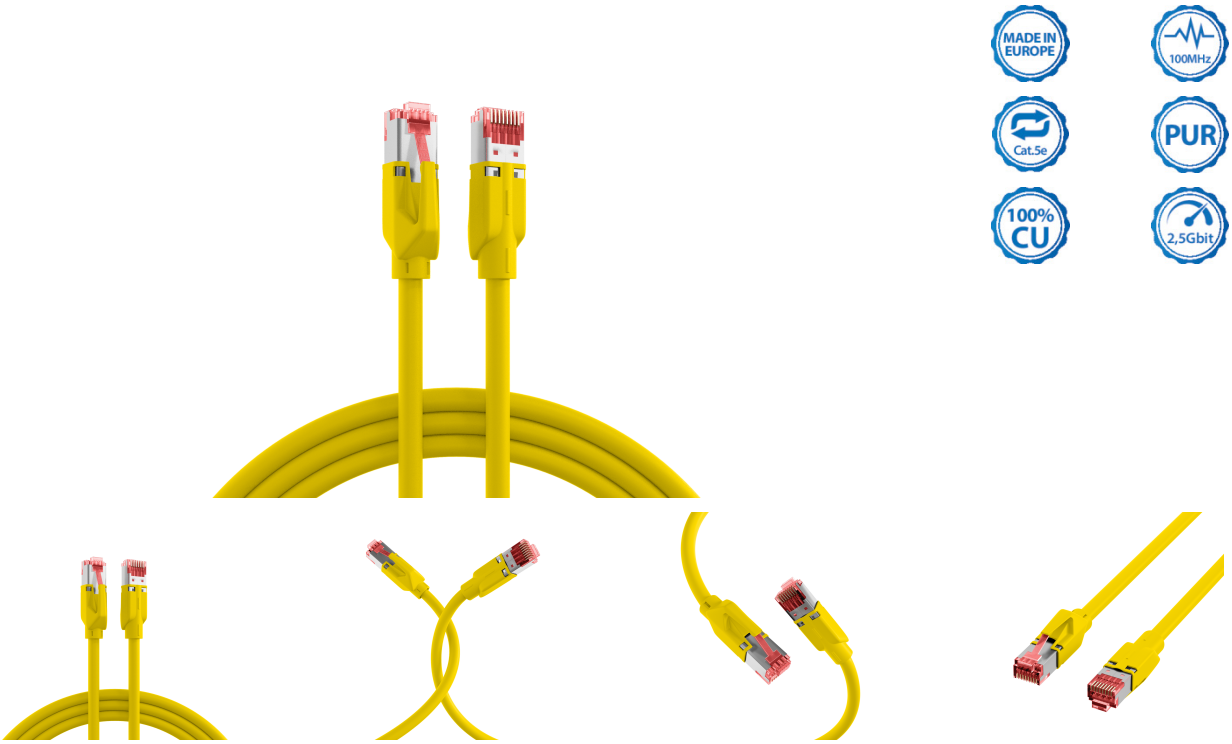
DATASHEET

RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 3m



General data

The Cat.5e data cable from EFB-Elektronik supports 2.5Gbit. The S/UTP shielding reliably protects against interference and ensures good signal quality. Because it is a Cat.5e Ethernet cable, it offers a frequency range of up to 100MHz.

• Cover fire protection requirements in compliance with standards – flame-retardant cable behaviour according to IEC60332-2 reduces the spread of fire in the event of a fault and supports compliance with common installation specifications.
• Power and connect devices via a cable – reduces cabling effort because data and power are transmitted via 4PPoE to IEEE802.3bt on a single line. 4PPoE according to IEEE802.3bt can only be used up to certain cable lengths.
• 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/UTP LAN cable offers reliable performance under typical EMC loads. The braided shield reduces electromagnetic radiation, increases operational reliability and ensures stable data connections in the standard network. It can be used in an extended temperature range of -40 – 85 °C. The wide range of possible applications is supported by the bending radius of >34 mm. The network cable is IP20 rated. The polyurethane (PUR) jacket is particularly robust, making it suitable for demanding industrial applications. It is also oil-resistant.

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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Technical details
• Cat.5e
• Connector: RJ45 8(8) to RJ45 8(8) with red TM21 connectors
• Shielding: S/UTP cable with 4x2 x AWG26/19
• Cable shape: round
• Pin assignment: 1:1 according to TIA/EIA 568B
• Equivalent to PoE class: PoE to IEEE802.3af, PoE+ to IEEE802.3at, and 4PPoE to IEEE802.3bt
• Gold-plated contacts
• Sheath: Polyurethane (PUR) sheath material
• Oil-resistant according to EN 60811-2-1
• Outer diameter: 6.9 mm
• With an attached anti-kink grommet
• Fire protection: flame-retardant according to IEC60332-2, 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: EFB-Elektronik

Technical properties	
AWG-size	26/19
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	put-on
Area of Application	Industrial Ethernet
Bandwidth	100MHz
Bending radius	>34 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/UTP
Cable type acc. to Manufacturer	Leoni-Kerpen MegaLine superflex
Cabling standard	EN50173
Category	5e
Colour anti-kink sleeve	yellow
Colour outer sheath	yellow
Conductive shield	360° shield contact
Conductor Material	Copper
Conductor resistance DC	125 Ω/km
Connector	IEC 60603-7-3
Connector type	TM21 red

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Contact Resistance	< 20 mΩ
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-2
Halogen free	acc. IEC60754-2
Harmonised Standard	EN 50575
Impedance	100 ±5 Ω
Insulation Resistance	500 MΩ
Length imprint	False
Locking lever	True
Loop resistance	250 Ω/km
Low smoke	acc. IEC61034
Material outer sheath	Polyurethan (PUR)
Mating cycles	≥750
Model	shielded
NVP value	68 %
Oil resistant	acc. EN 60811-2-1
Operating Temperature	-40 – 85 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.9 mm
Ozone resistance	No
Pin assignment	1:1
Printing	E132276-C(UL) CM 75°C 4PR AWG24/7 CSA LL64151-C CMG 75°C FT4 Cat.6(A) S/FTP PATCH CORD
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
Test voltage	1000 (V DC, 1min) core/core und core/screen
Total screening	90 %
Transmission	2.5Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
UL approbated	False
UV resistant	Nein

Available variants

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ArtNr.	Bezeichnung	Length	POE class	Length tolerance
K8032.1	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.1,5	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 1,5m	1.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.10	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.15	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.2	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.20	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 20m	20.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.25	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 25m	25.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K8032.3	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 3m	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.30	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 30m	30.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K8032.40	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 40m	40.0 m	PoE acc. to IEEE802.3af	±5 %
K8032.5	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 5m	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8032.50	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 50m	50.0 m	No	±5 %
K8032.7,5	RJ45 Patch Cord Cat.5e S/UTP PUR TM21 for drag chains yellow 7,5m	7.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %

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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