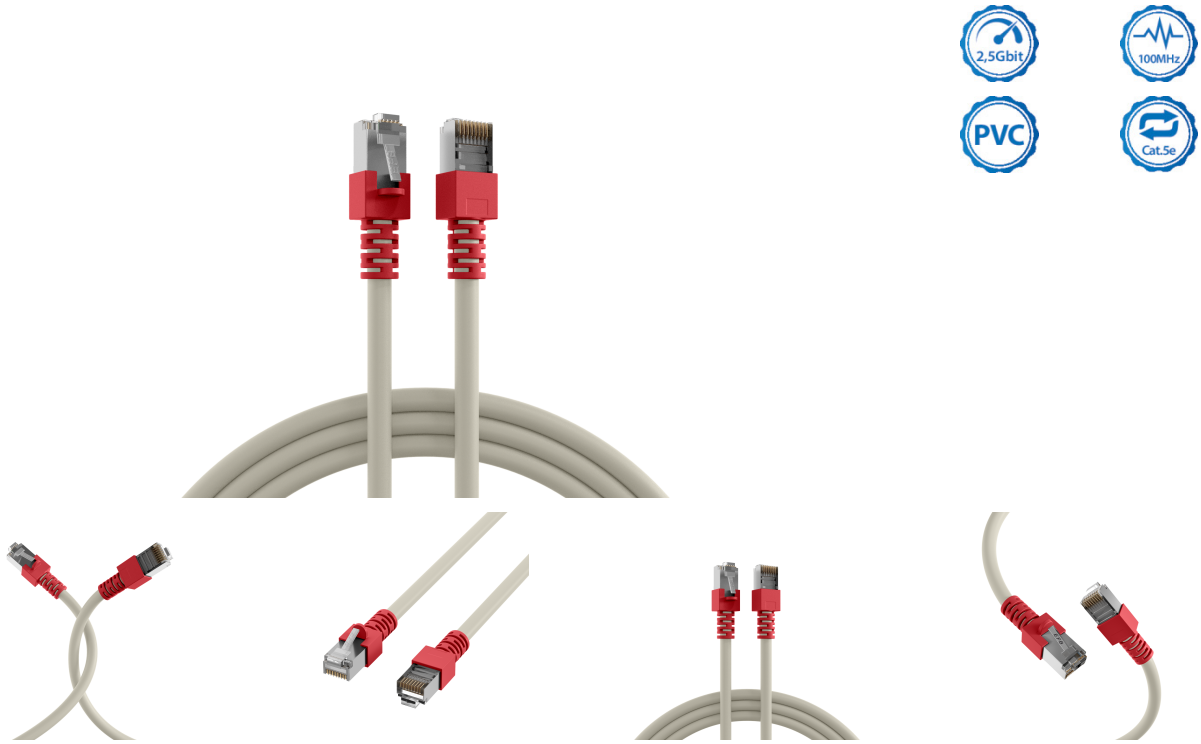
DATASHEET

RJ45 Patch Cord Cat.5e SF/UTP PVCred boot CCA crossed grey 5m



General data

This Cat.5e cross cable from EFB-Elektronik supports 2.5Gbit. The SF/UTP shielding reliably protects against interference and ensures high-quality signals. Since it is a Cat.5e LAN cable, it offers a frequency range of up to 100MHz.

• Connect network devices directly without additional components – enables point-to-point connection of compatible devices (crossover), e.g. for quick commissioning, service cases or temporary routes without a switch.
• Increase interference immunity in electromagnetically charged environments – double shielding (SF/UTP) improves the 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.

Product Description
The SF/UTP network cable combines foil and braid shielding. It thus effectively protects against internal and external interference and ensures the highest signal quality even with dense cable routing. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of >25 mm. The data cable has an IP20 rating. The polyvinyl chloride (PVC) jacket is a flexible standard jacket for network applications, without special fire protection properties.

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Technical details
- Cat.5e
- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
- Shielding: SF/UTP cable with 4x2 x AWG26/7
- Cable shape: round
- Pinout: crossed according to typical crossover assignment (1-3, 2-6, 3-1, 4-7, 5-8, 6-2, 7-4, 8-5)
- Gold-plated contacts
- Sheath: Polyvinyl chloride (PVC) sheath material
- Outer diameter: 5.7 mm
- With an injected anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1
- Degree of protection: IP20
- With a punctual screen contact
- With locking lever protection
- Mating cycles: ≥750
- With length print
- Brand: EFB-Elektronik

Technical properties	
AWG-size	26/7
Allocation	1-3, 2-6, 3-1, 4-7, 5-8, 6-2, 7-4, 8-5
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
Bandwidth	100MHz
Bending radius	>25 mm
Cable construction	4x2
Cable shape	rund
Cable type	SF/UTP
Cabling standard	EN50173
Category	5e
Colour anti-kink sleeve	red
Colour outer sheath	grey
Conductive shield	Selected shield contact
Conductor Material	CCA
Connector	IEC 60603-7-3
Connector type	RJ45 standard
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	False

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Harmonised Standard	EN 50575
Impedance	100
Length imprint	True
Locking lever	True
Material outer sheath	Polyvinylchlorid (PVC)
Mating cycles	≥750
Model	shielded
Oil resistant	no
Operating Temperature	-20 – 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	5.7 mm
Ozone resistance	No
Pin assignment	crossed
Printing	SF/UTP 300 CAT.5E 26AWG×4P PATCH ISO/IEC 11801 & EN 50173 VERIFIED ***2,5 GIGABIT*** www.efb-elektronik.de
Resistant to chemicals	False
Silicone-free	True
Suitable for degree of protection (IP)	IP20
Test voltage	1000 (V DC, 1min) core/core und core/screen
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

ArtNr.	Bezeichnung	Length	POE class	Length tolerance
K5450.0,5	RJ45 Patch Cord Cat.5e SF/UTP PVCred boot CCA crossed grey 0,5m	0.5 m	No	±5 %
K5450.1	RJ45 Patch Cord Cat.5e SF/UTP PVCred boot CCA crossed grey 1m	1.0 m	No	±5 %
K5450.10	RJ45 Patch Cord Cat.5e SF/UTP PVCred boot CCA crossed grey 10m	10.0 m	No	±5 %
K5450.2	RJ45 Patch Cord Cat.5e SF/UTP PVCred boot CCA crossed grey 2m	2.0 m	No	±5 %
K5450.3	RJ45 Patch Cord Cat.5e SF/UTP PVCred boot CCA crossed grey 3m	3.0 m	No	±5 %
K5450.5	RJ45 Patch Cord Cat.5e SF/UTP PVCred boot CCA crossed grey 5m	5.0 m	No	±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

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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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