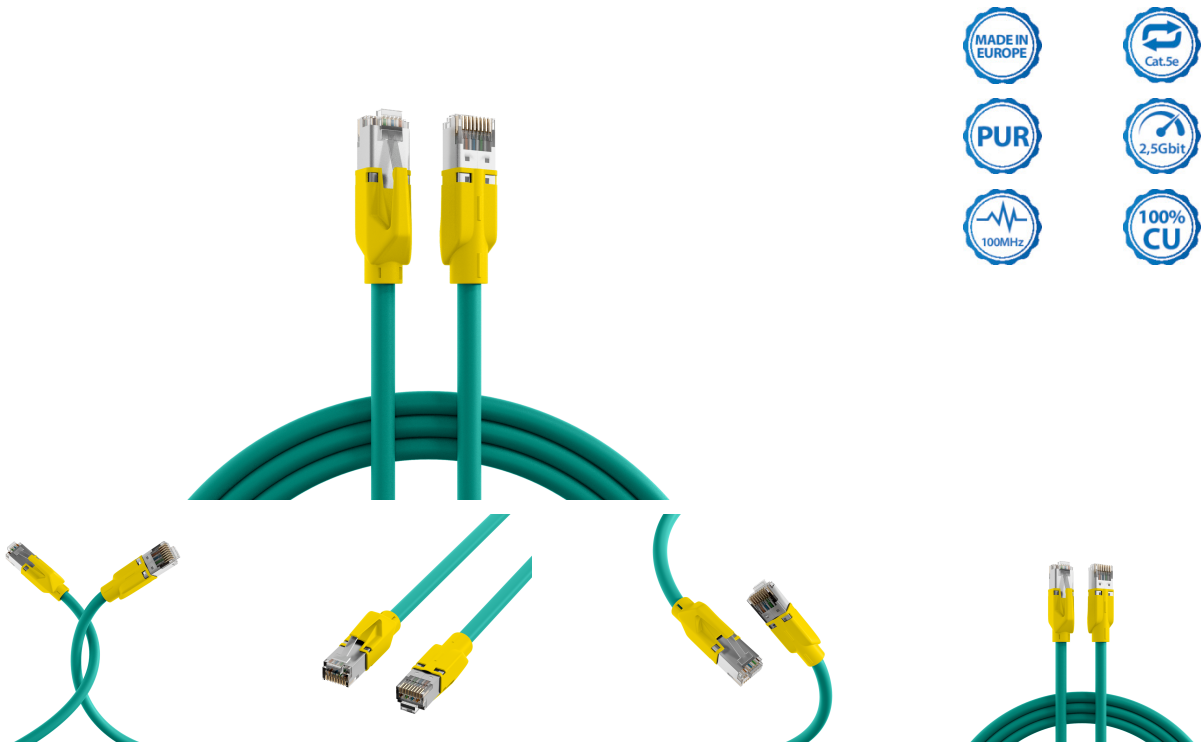
DATASHEET



General data

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

• 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.
• Power and connect end devices via one cable – reduces cabling effort because data and power are transmitted via 4PPoE according to IEEE802.3bt on one line (fewer power supplies/sockets, faster installation).

Product Description
The SF/UTP data 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. 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 Ethernet cable is IP20 rated. The polyurethane (PUR) jacket is particularly robust, making it suitable for demanding industrial applications. It is also oil-resistant.

Technical details

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

- Cat.5e
- Connector: RJ45 8(8) to RJ45 8(8) with red TM21 connectors
- Shielding: SF/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
- UL approved
- 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 IEC60332-1, 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: EFB-Elektronik

Tekniske egenskaber

Available variants

ArtNr.	Bezeichnung	Length
K8030.1		1.0 m
K8030.10		10.0 m
K8030.15		15.0 m
K8030.2		2.0 m
K8030.20		20.0 m
K8030.25		25.0 m
K8030.3		3.0 m
K8030.30		30.0 m
K8030.40		40.0 m
K8030.5		5.0 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.

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION