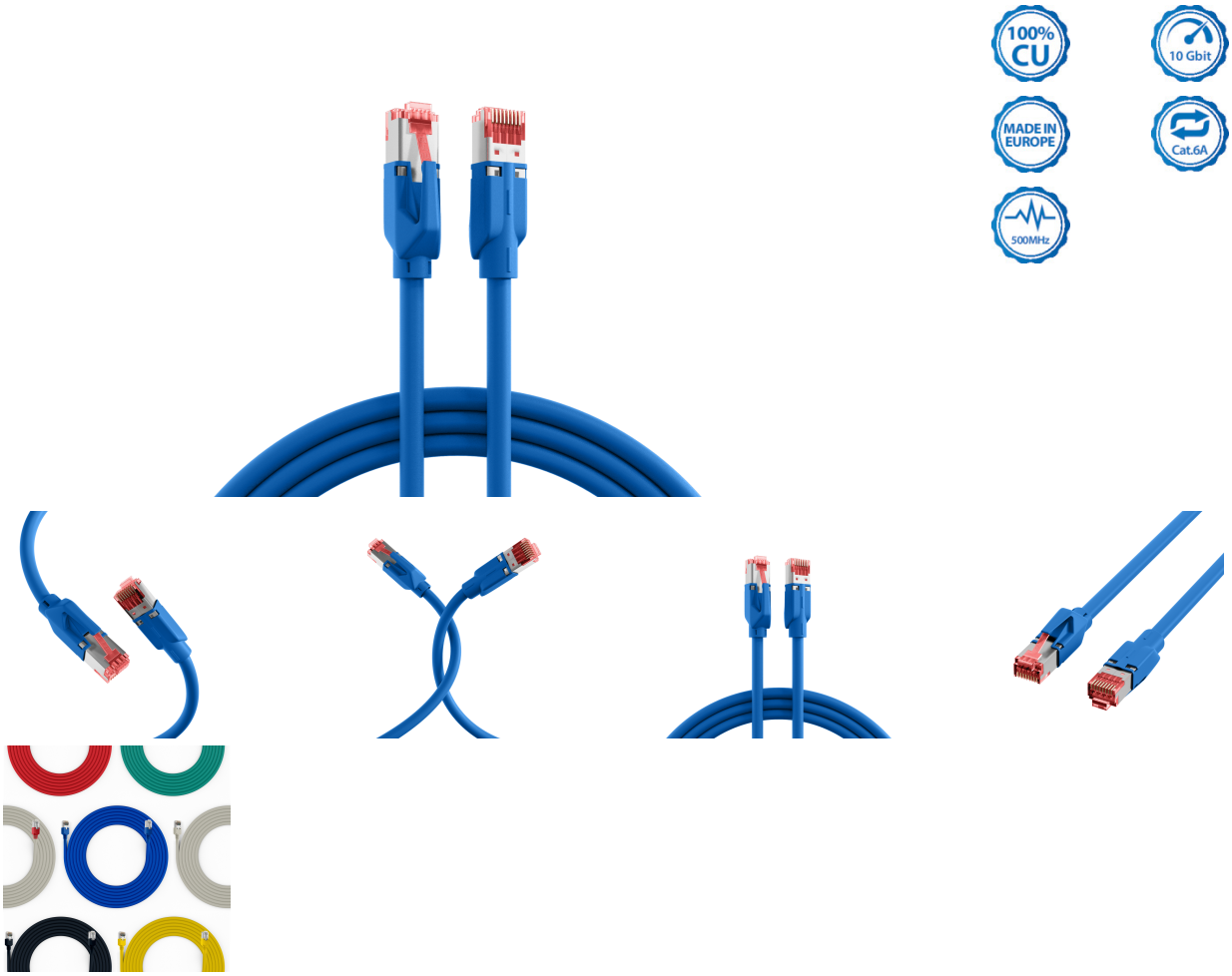
DATASHEET

RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 7,5m



General data

This Cat.6A (TIA) network cable from the EFB-Elektronik brand transmits data up to 10Gbit. The S/FTP shielding reliably protects against interference and ensures good signal quality. Since it is a Cat.6A (TIA) patch cable, it offers 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.
• 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).

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

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 7,5m

Product Description
The S/FTP LAN cable has a double shield that effectively reduces electromagnetic interference. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of >20 mm. The Ethernet cable is IP20 rated. 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
• Cat.6A (TIA)
• Connector: RJ45 8(8) to RJ45 8(8) with red TM21 connectors
• Shielding: S/FTP cable with 4x2 x AWG26/7
• 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: LSZH sheath material
• Outer diameter: 5.8 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

Technical properties	
AWG-size	26/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	put-on
Area of Application	Industrial Ethernet
Bandwidth	500MHz
Bending radius	>20 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cable type acc. to Manufacturer	Dätwyler CU 7702 flex
Cabling standard	EN50173
Category	6A (TIA)
Colour anti-kink sleeve	blue
Colour outer sheath	blue
Conductive shield	360° shield contact

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

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 7,5m

Conductor Material	Copper
Conductor resistance DC	135 Ω/km
Connector	IEC 60603-7-51
Connector type	TM21 red
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Harmonised Standard	EN 50575
Impedance	100 ±5 Ω
Length imprint	False
Locking lever	True
Loop resistance	270 Ω/km
Low smoke	acc. IEC61034
Material outer sheath	LSZH
Mating cycles	≥750
Model	shielded
NVP value	78 %
Oil resistant	no
Operating Temperature	-20 – 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	5.8 mm
Ozone resistance	No
Pin assignment	1:1
Raw cable	Cat.7
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
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)
UL approbated	False
UV resistant	Nein

Available variants

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

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 7,5m

ArtNr.	Bezeichnung	Length	POE class	Length tolerance
K8708BL.0,15	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 0,15m	0.15 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.0,25	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 0,25m	0.25 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.0,50	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.1	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.1,5	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 1,5m	1.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.10	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.15	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.2	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.20	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 20m	20.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.25	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 25m	25.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K8708BL.3	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 3m	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.30	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 30m	30.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K8708BL.5	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 5m	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K8708BL.7,5	RJ45 Patch Cord Cat.6A S/FTP Dätwyler 7702 TM21 blue 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.

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