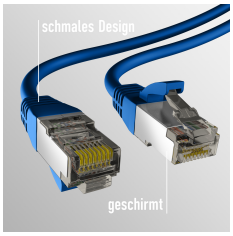
DATASHEET

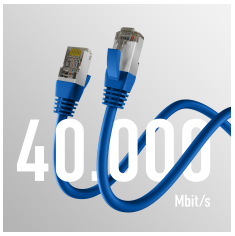
CAT8.1 BLUE 0,50m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable













General data

Achieve speeds of up to 40 Gbps with Cat.8 cables

Category 8, or simply Cat.8, is the fastest copper Ethernet cable available. It represents a significant leap in data transmission speed compared to Cat.7 and Cat.6a cables: The Cat 8.1 network cable from EFB-Elektronik is designed for transmission speeds of up to 40 Gbps and an operating frequency of up to 2000 MHz. That's four times the performance of Cat.6a and Cat.7 cables. EFB-Elektronik's Cat.8.1 patch cables are individually tested with a Fluke measuring device, and the corresponding report is included with each cable.

Order Cat.8 network cables online

Cat.8.1 LAN cables are perfect for use in high-speed networks and for connecting routers, switches, servers, patch

This datasheet was created automatically on 25-11-2026 . 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

CAT8.1 BLUE 0,50m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable

panels, and much more. To fully utilize the capacity, the other components in the network should also be designed for such speeds. In combination with the EFB-Elektronik data outlet and the EFB-Elektronik patch panel, you can achieve the optimal performance of the Cat.8 network cable. Cat.8.1 patch cables are ideal for switch-to-switch communication in data centers and server rooms. These ultra-fast Cat.8 network cables are also used in professional networking and media technology. With Cat.8 network cables, a foil sheath surrounds each twisted pair of wires to virtually eliminate crosstalk and enable higher data transmission speeds. The halogen-free outer jacket of the LAN cable provides additional safety. In the Cat.8.1 version, the cable has a high-quality, shielded RJ45 connector with gold-plated contacts. Thanks to its kink and strain relief, a high number of mating cycles are possible.

Cat.8 network cables support Power over Ethernet (PoE) technology for transmitting power and data over a single cable. By eliminating or reducing the need for power cables, Cat.8 patch cables can save considerable space in crowded server rooms.

The Cat.8.1 network cables from EFB-Elektronik are backward compatible and can also be used in Cat.5 or Cat.6 networks, achieving speeds of up to 40 Gbps.

Technical properties	
AWG-size	26/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of Application	Data center
Cable construction	4x2
Cable type	S/FTP
Category	8.1
Colour anti-kink sleeve	blue
Colour outer sheath	blue
Conductor Material	Copper
Connector type	RJ45 standard
Contacts	50 µ" Gold plated
Length imprint	True
Locking lever	True
Material outer sheath	LSZH
Model	shielded
Outer diameter of the cable	6.2 mm
Pin assignment	1:1
Printing	www.efb-elektronik.de
Raw cable	Cat.8.1
Suitable for degree of protection (IP)	IP20
Type of connector connection 1	RJ45 8(8)

This datasheet was created automatically on 25-11-2026 . 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

CAT8.1 BLUE 0,50m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable

Type of connector connection 2	RJ45 8(8)

Available variants

ArtNr.	Bezeichnung	Length	POE class
EC020200233	CAT8.1 BLUE 0,25m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	0.25 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200234	CAT8.1 BLUE 0,50m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	0.50 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200235	CAT8.1 BLUE 1m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200236	CAT8.1 BLUE 1,5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	1.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200237	CAT8.1 BLUE 2m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200238	CAT8.1 BLUE 3m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200239	CAT8.1 BLUE 5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200240	CAT8.1 BLUE 7,5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	7.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200241	CAT8.1 BLUE 10m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200242	CAT8.1 BLUE 15m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt
EC020200243	CAT8.1 BLUE 20m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	20.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt

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.

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