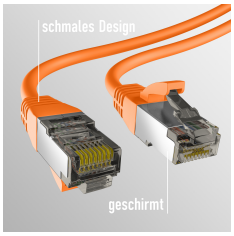
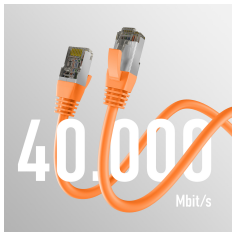
DATASHEET

CAT8.1 ORANGE 20m 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 23-10-2026 . 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 ORANGE 20m 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	orange
Colour outer sheath	orange
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
Raw cable	Cat.8.1
Suitable for degree of protection (IP)	IP20
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)

This datasheet was created automatically on 23-10-2026 . 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 ORANGE 20m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable

Available variants		
ArtNr.	**Bezeichnung**	**Length**
EC020200277	CAT8.1 ORANGE 0,25m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	0.25 m
EC020200278	CAT8.1 ORANGE 0,50m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	0.50 m
EC020200279	CAT8.1 ORANGE 1m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	1.0 m
EC020200280	CAT8.1 ORANGE 1,5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	1.5 m
EC020200281	CAT8.1 ORANGE 2m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	2.0 m
EC020200282	CAT8.1 ORANGE 3m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	3.0 m
EC020200283	CAT8.1 ORANGE 5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	5.0 m
EC020200284	CAT8.1 ORANGE 7,5m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	7.5 m
EC020200285	CAT8.1 ORANGE 10m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	10.0 m
EC020200286	CAT8.1 ORANGE 15m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	15.0 m
EC020200287	CAT8.1 ORANGE 20m RJ45 Patch Cable S/FTP PIMF LSZH 2000MHZ 40GB Network Cable	20.0 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.

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