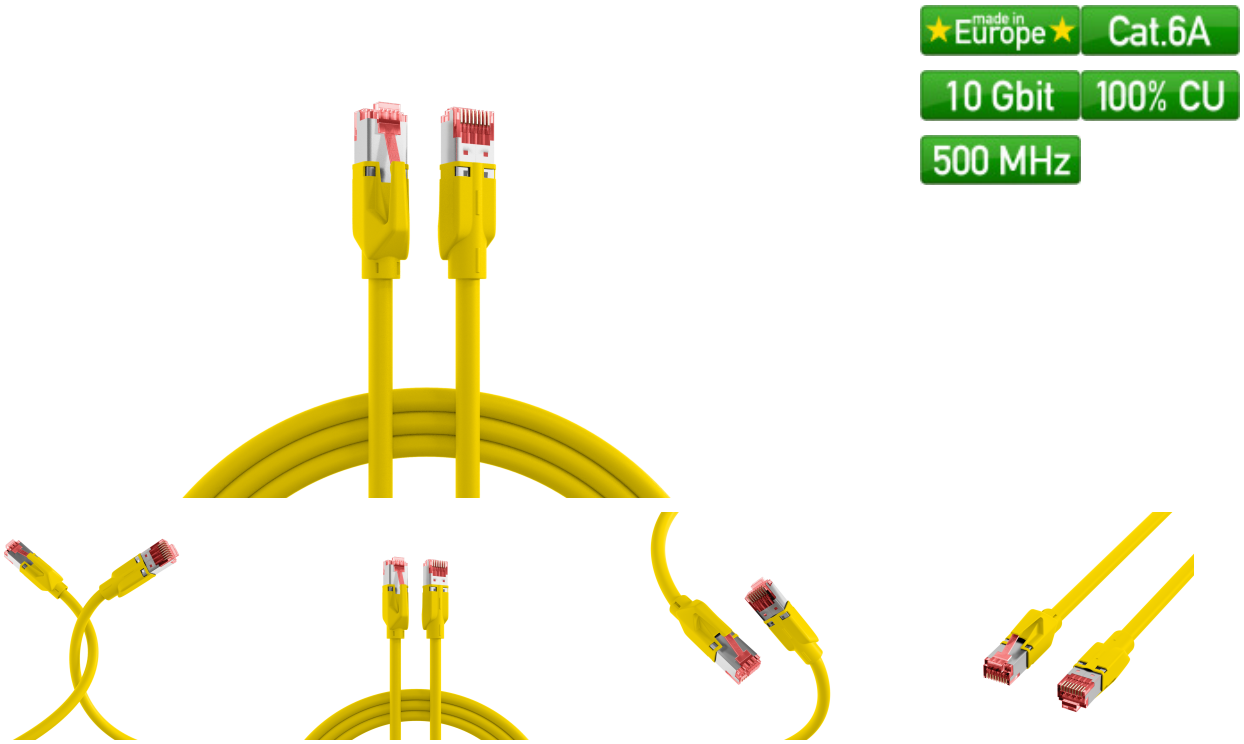
DATASHEET

RJ45 Patch Cord Cat.6A S/FTP FR HF Kerpen F6-90 TM21 yellow 5m



General data

The Cat.6A RJ45 patch cable **manufactured in Europe** guarantees very good characteristics for **10 Gigabit** Ethernet applications. The patch cable is composed of the Cat.7 raw cable **F6-90 S/F** from Leoni-Kerpen and **TM21** connectors from Hirose.

Cross section 4 x 2 x AWG27/7
Mounted anti-kink grommet

Technical properties	
AWG-size	27/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	put-on
Area of Application	Industrial Ethernet
Bandwidth	500MHz
Bending radius	28,5 mm
Cable construction	4x2
Cable type	S/FTP
Cable type acc. to Manufacturer	Leoni-Kerpen F6-90 S/F

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 FR HF Kerpen F6-90 TM21 yellow 5m

Cabling standard	ANSI/TIA-568-C.2
Category	6A (TIA)
Colour anti-kink sleeve	yellow
Colour outer sheath	yellow
Conductive shield	360° shield contact
Conductor Material	Copper
Conductor resistance DC	170 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
Impedance	100 ±5 Ω
Insulation Resistance	> 5000 MΩ
Length imprint	False
Locking lever	True
Loop resistance	< 340 Ω/km
Low smoke	acc. IEC61034
Material outer sheath	LSZH
Mating cycles	≥750
Model	shielded
NVP value	78 %
Operating Temperature	-20 – 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	5.7 mm
Pin assignment	1:1
Printing	Cat.6 U/UTP AWG24/7 stranded x 4pairs LSZH cable www.efb-elektronik.de
Raw cable	Cat.7
Suitable for degree of protection (IP)	IP20
Temperature Range (Installation)	0 – 50 °C
Temperature Range (Operation)	-20 – 60 °C
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)

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 FR HF Kerpen F6-90 TM21 yellow 5m

Type of connector connection 2	RJ45 8(8)

Available variants

ArtNr.	Bezeichnung	Length	Length tolerance
K8210BL.3	RJ45 Patch Cord Cat.6A S/FTP FR HF Kerpen F6-90 TM21 blue 3m	3.0 m	±5 %
K8210GE.3	RJ45 Patch Cord Cat.6A S/FTP FR HF Kerpen F6-90 TM21 yellow 3m	3.0 m	±5 %
K8210GE.5	RJ45 Patch Cord Cat.6A S/FTP FR HF Kerpen F6-90 TM21 yellow 5m	5.0 m	±5 %
K8210GN.20	RJ45 Patch Cord Cat.6A S/FTP FR HF Kerpen F6-90 TM21 green 20m	20.0 m	±5 %
K8210GR.30	RJ45 Patch Cord Cat.6A S/FTP FR HF Kerpen F6-90 TM21 grey 30m	30.0 m	±5 %
K8210RT.2	RJ45 Patch Cord Cat.6A S/FTP FR HF Kerpen F6-90 TM21 red 2m	2.0 m	±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