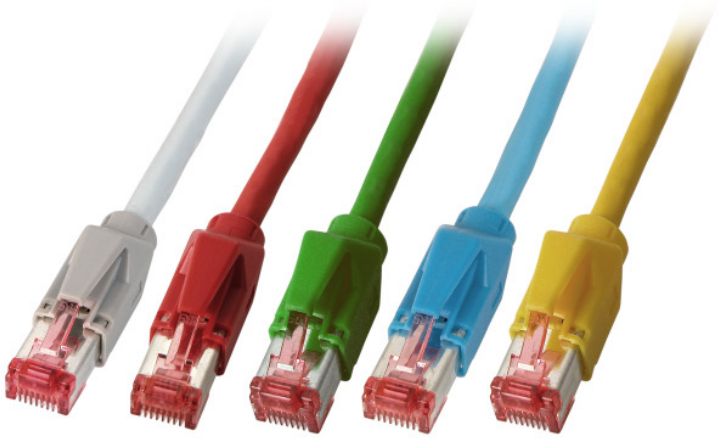
DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, grey



Cat.6A | 10 Gbit | made in Europe | 100% CU | made in Europe | CE

Description

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

General data	
Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	TM21 red
Cable type	Leoni-Kerpen F6-90 S/F
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	grey
Locking lever	yes

Mechanical characteristics	
Mating cycles	≥750
Bending radius	>28,5 mm
Conductive shield	360° shield contact

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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

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RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, grey

Cable construction	
Raw cable	Cat.7
Cable structure	S/FTP
Cable construction	4x2
AWG-size/strands per core	27/7
Conductor Material	Copper

Cable sheath	
Jacket material	LSZH
Colour outer sheath	grey
Outer diameter of the cable	5.7 mm
Flame-retardant	acc. IEC60332-1
Halogen-free	acc. IEC60754-2
Low smoke	nach IEC61034

Environmental conditions	
Temperature Range (Operation)	-20 – 60 °C
Temperature Range (Installation)	0 – 50 °C

Electrical characteristics	
NVP value	78 %
Impedance	100 ±5 Ω
Conductor resistance DC	170 Ω/km
Loop resistance	340 Ω/km
Insulation resistance	5000 MΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen

Transmission characteristics	
Bandwidth	500MHz

Standards, approvals, certifications	
Connector	IEC 60603-7-51

Available variants

Article no.	Title	Length
K8210GR.0,50	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 0,5m, grey	0.5 m
K8210GR.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 1,0m, grey	1.0 m
K8210GR.1,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 1,5m, grey	1.5 m

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K8210GR.2	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 2,0m, grey	2.0 m
K8210GR.2,5	RJ45 Patch cable S/FTP, Cat.6A, TM21 ,Leoni-Kerpen F6-90 S/F, 2,5m, grey	2.5
K8210GR.3	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 3,0m, grey	3.0 m
K8210GR.4	RJ45 Patch cable S/FTP, Cat.6A, TM21 ,Leoni-Kerpen F6-90 S/F, 4,0m, grey	4.0
K8210GR.5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 5,0m, grey	5.0 m
K8210GR.7,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 7,5m, grey	7.5 m
K8210GR.10	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 10,0m, grey	10.0 m
K8210GR.15	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 15,0m, grey	15.0 m
K8210GR.20	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 20,0m, grey	20.0 m
K8210GR.25	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 25,0m, grey	25.0 m
K8210GR.30	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 30,0m, grey	30.0 m

similar product	
K8210RT.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, red
K8210GN.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, green
K8210GE.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, yellow
K8210BL.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, blue

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