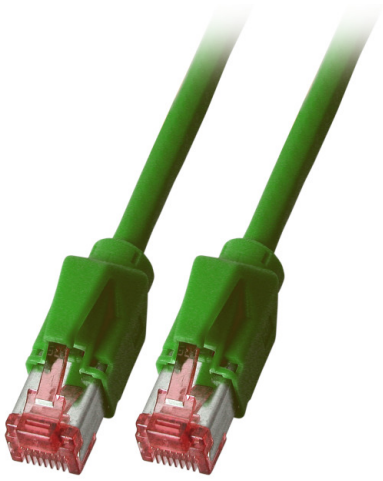
DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, green



Cat.6A | 10 Gbit | 500 MHz | 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 **CU 7702 flex** from Daetwyler and **TM21** connectors from Hirose.

Cross section 4 x 2 x AWG26/7
Mounted anti-kink grommet
Clear differentiation of the cores in the assembled connector thanks to different core colours

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	Dätwyler CU 7702 flex
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	green
Locking lever	Yes

Mechanical characteristics	
Mating cycles	≥750
Bending radius	>20 mm
Conductive shield	360° shield contact

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Cable construction	
Raw cable	Cat.7
Cable structure	S/FTP
Cable construction	4x2
AWG-size/strands per core	26/7
Conductor Material	Copper

Cable sheath	
Jacket material	LSZH
Colour outer sheath	green
Outer diameter of the cable	5.8 mm
Flame-retardant	acc. IEC60332-1
Halogen-free	acc. IEC60754-2
Low smoke	acc. 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	135 Ω/km
Loop resistance	270 Ω/km
POE class	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt

Transmission characteristics	
Bandwidth	500MHz

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

Available variants

Article no.	Title	Length
K8708GN.0,25	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 0,25m, green	0.25 m
K8708GN.0,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 0,5m, green	0.5 m
K8708GN.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 1m, green	1.0 m

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K8708GN.1,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 1,5m, green	1.5 m
K8708GN.2	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 2m, green	2.0 m
K8708GN.3	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 3m, green	3.0 m
K8708GN.5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 5m, green	5.0 m
K8708GN.7,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 7,5m, green	7.5 m
K8708GN.10	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 10m, green	10.0 m
K8708GN.15	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 15m, green	15.0 m
K8708GN.20	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 20m, green	20.0 m
K8708GN.25	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 25m, green	25.0 m
K8708GN.30	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 30m, green	30.0 m

Technical drawings

1 **Innenleiter:** AWG26, Cu-Litze, blank
2 **Ader:** Ø 0.99 mm
3 **Abschirmung Paar:** Alu PETP-Folie
4 **Abschirmung:** Cu-Geflecht, verzinnt
5 **Mantel:** LSZH , grau, RAL 7035

Belegung: 1 -sw- 1
2 -gn- 2
3 -rt- 3
4 -bl- 4
5 -ws- 5
6 -or- 6
7 -ge- 7
8 -br- 8
Schirm beidseitig auf Gehäuse!

Farbe / Code weiß /blau, rot/orange, schwarz/grün, gelb/braun, nach IEC 60189 und IEC 60708

similar product

K8708GR.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, grey
K8708OR.1,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, orange
K8708SW.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, black
K8708RT.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, red
K8708GE.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, yellow
K8708BL.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, blue

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