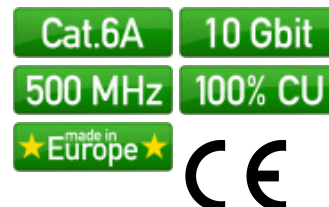


RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, orange



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	orange
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	orange
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
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Standards, approvals, certifications

Connector	IEC 60603-7-51
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Available variants

Article no.	Title	Length	Length tolerance
K8708OR.0,50	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 0.5m, orange	0.5 m	±5 %
K8708OR.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 1m, orange	1.0 m	±5 %
K8708OR.1,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 1,5m, orange	1.5 m	±5 %

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K8708OR.2	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 2m, orange	2.0 m	±5 %
K8708OR.3	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 3m, orange	3.0 m	±5 %
K8708OR.5	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 5m, orange	5.0 m	±5 %
K8708OR.10	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 10m, orange	10.0 m	±5 %
K8708OR.20	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 20m, orange	20.0 m	±5 %
K8708OR.30	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 30m, orange	30.0 m	±5 %

Technical drawings



- 1 Innenleiter:** AWG26, Cu-Litze, blank
- 2 Ader:** Ø 0.99 mm
- 3 Abschirmung Paar:** Alu PETP-Folie
- 4 Abschirmung:** Cu-Geflecht, verzinkt
- 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

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
K8708GR.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, grey
K8708GN.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, green
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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