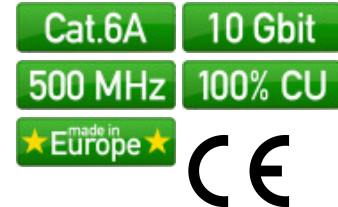


## RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, red



### 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        | red                   |
| Locking lever                  | Yes                   |

### Mechanical characteristics

|                   |                     |
|-------------------|---------------------|
| Mating cycles     | ≥750                |
| Bending radius    | >20 mm              |
| Conductive shield | 360° shield contact |

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

### 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         | red             |
| 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 |

### Transmission characteristics

|           |        |
|-----------|--------|
| Bandwidth | 500MHz |
|-----------|--------|

### Standards, approvals, certifications

|           |                |
|-----------|----------------|
| Connector | IEC 60603-7-51 |
|-----------|----------------|

### Available variants

| Article no. | Title                                                          | Length |
|-------------|----------------------------------------------------------------|--------|
| K8708RT.0,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 0,5m, red | 0.5 m  |
| K8708RT.1   | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 1m, red   | 1.0 m  |
| K8708RT.1,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 1,5m, red | 1.5 m  |
| K8708RT.2   | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 2m, red   | 2.0 m  |
| K8708RT.3   | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 3m, red   | 3.0 m  |

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

|             |                                                                |        |
|-------------|----------------------------------------------------------------|--------|
| K8708RT.5   | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 5m, red   | 5.0 m  |
| K8708RT.7,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 7,5m, red | 7.5 m  |
| K8708RT.10  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 10m, red  | 10.0 m |
| K8708RT.15  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 15m, red  | 15.0 m |
| K8708RT.20  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 20m, red  | 20.0 m |
| K8708RT.25  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 25m, red  | 25.0 m |
| K8708RT.30  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Dätwyler 7702, 30m, red  | 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, 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

|             |                                                             |
|-------------|-------------------------------------------------------------|
| 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  |
| 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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