

## RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 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 **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        | red                    |
| Locking lever                  | yes                    |

### Mechanical characteristics

|                   |                     |
|-------------------|---------------------|
| Mating cycles     | ≥750                |
| Bending radius    | >28,5 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 | 27/7   |
| Conductor Material        | Copper |

### Cable sheath

|                             |                 |
|-----------------------------|-----------------|
| Jacket material             | LSZH            |
| Colour outer sheath         | red             |
| 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 |
|--------------|-------------------------------------------------------------------------|--------|
| K8210RT.0,50 | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 0,5m, red | 0.5 m  |
| K8210RT.1    | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 1,0m, red | 1.0 m  |
| K8210RT.1,5  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 1,5m, red | 1.5 m  |

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|             |                                                                          |        |
|-------------|--------------------------------------------------------------------------|--------|
| K8210RT.2   | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 2,0m, red  | 2.0 m  |
| K8210RT.3   | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 3,0m, red  | 3.0 m  |
| K8210RT.5   | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 5,0m, red  | 5.0 m  |
| K8210RT.7,5 | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 7,5m, red  | 7.5 m  |
| K8210RT.10  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 10,0m, red | 10.0 m |
| K8210RT.20  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 20,0m, red | 20.0 m |
| K8210RT.25  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 25,0m, red | 25.0 m |
| K8210RT.30  | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, 30,0m, red | 30.0 m |

### similar product

|           |                                                                      |
|-----------|----------------------------------------------------------------------|
| K8210GR.1 | RJ45 Patch cable S/FTP, Cat.6A, TM21, Leoni-Kerpen F6-90 S/F, grey   |
| 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   |