

## RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, blue



### Description

The shielded Cat.6A RJ45 patch cable with **component certification** from the GHMT ensures excellent performance for 10 Gigabit Ethernet applications. The **TPE** outer sheath makes the cable **highly flexible** and thus easier to handle. The moulded grommet captivates with its **slim design** and thus simplifies the insertion process in cramped conditions.

Very flexible TPE/LSZH outer sheath superflex

Cross section 4 x 2 x AWG26 / 7

Moulded grommet, slim design

**Length imprint on the boot**

### General data

|                                |                    |
|--------------------------------|--------------------|
| Category                       | 6A (IEC)           |
| Type of connector connection 1 | RJ45 8(8)          |
| Type of connector connection 2 | RJ45 8(8)          |
| Connector type                 | RJ45 Standard blue |
| Contacts                       | 50 µ" gold plated  |
| Pin assignment                 | 1:1                |
| Allocation                     | acc. TIA/EIA 568B  |
| Type                           | Shielded           |
| Length imprint                 | yes                |
| Anti-kink sleeve               | moulded            |
| Colour anti-kink sleeve        | blue               |
| Locking lever                  | True               |

### Mechanical characteristics

|                |          |
|----------------|----------|
| Mating cycles  | ≥750     |
| Bending radius | >32,5 mm |

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### Mechanical characteristics

|                   |                     |
|-------------------|---------------------|
| Conductive shield | 360° shield contact |
|-------------------|---------------------|

### 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

|                             |                                  |
|-----------------------------|----------------------------------|
| Silicone-free               | yes                              |
| Jacket material             | TPE/LSZH                         |
| Colour outer sheath         | blue                             |
| Printing                    | Cat.6A Patchcord SUPERFLEX S/FTP |
| Outer diameter of the cable | 6.5 mm                           |
| Flame-retardant             | acc. IEC60332-1                  |
| Halogen-free                | acc. IEC60754-2                  |
| Low smoke                   | acc. IEC61034                    |

### Environmental conditions

|                   |             |
|-------------------|-------------|
| Temperature range | -20 – 75 °C |
|-------------------|-------------|

### Electrical characteristics

|                         |                                             |
|-------------------------|---------------------------------------------|
| NVP value               | - %                                         |
| Impedance               | 100 ±15 Ω                                   |
| Conductor resistance DC | 142 Ω/km                                    |
| Loop resistance         | 284 Ω/km                                    |
| Resistance unbalance    | 2 %                                         |
| Insulation resistance   | 100 MΩ                                      |
| Contact resistance      | 30 mΩ                                       |
| Test voltage            | 1000 (V DC, 1min) core/core und core/screen |

### Transmission characteristics

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

### Standards, approvals, certifications

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

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### Available variants

| Article no.   | Title                                                                      | Length |
|---------------|----------------------------------------------------------------------------|--------|
| K5525FBL.0,15 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,15m, blue | 0.15 m |
| K5525FBL.0,25 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,25m, blue | 0.25 m |
| K5525FBL.0,5  | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,5m, blue  | 0.5 m  |
| K5525FBL.1    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1m, blue    | 1 m    |
| K5525FBL.1,5  | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1,5m, blue  | 1.5 m  |
| K5525FBL.2    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 2m, blue    | 2 m    |
| K5525FBL.3    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 3m, blue    | 3 m    |
| K5525FBL.5    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 5m, blue    | 5 m    |
| K5525FBL.7,5  | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 7,5m, blue  | 7.5 m  |
| K5525FBL.10   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 10m, blue   | 10 m   |
| K5525FBL.15   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 15m, blue   | 15 m   |
| K5525FBL.20   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 20m, blue   | 20 m   |
| K5525FBL.25   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 25m, blue   | 25 m   |
| K5525FBL.30   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 30m, blue   | 30 m   |

### Technical drawings



| PIN OUT    |            |
|------------|------------|
| CN1 (568B) | CN2 (568B) |
| WHITE 1    | 1 WHITE    |
| ORANGE 2   | 2 ORANGE   |
| WHITE 3    | 3 WHITE    |
| GREEN 6    | 6 GREEN    |
| BLUE 4     | 4 BLUE     |
| WHITE 5    | 5 WHITE    |
| WHITE 7    | 7 WHITE    |
| BROWN 8    | 8 BROWN    |
| SHELL      | BRAID      |
|            | SHELL      |

### similar product

K5525FWS.1

RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, white

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## RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, blue

### similar product

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| K5525FSW.1 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, black  |
| K5525FRT.1 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, red    |
| K5525FGR.1 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, grey   |
| K5525FGN.1 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, green  |
| K5525FGE.1 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, yellow |

