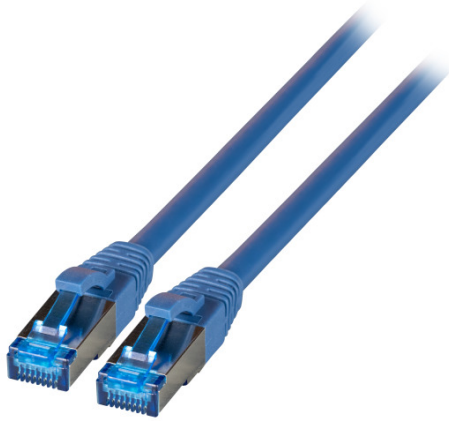


## RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, blue



### 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

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| Area of Application            | Structured cabling;Industrial Ethernet;Data center |
| 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               | plugged in                                         |
| Colour anti-kink sleeve        | blue                                               |
| Locking lever                  | True                                               |

### Mechanical characteristics

|               |      |
|---------------|------|
| Mating cycles | 2000 |
|---------------|------|

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

### Mechanical characteristics

|                                        |                     |
|----------------------------------------|---------------------|
| Bending radius                         | >32.5 mm            |
| Conductive shield                      | 360° shield contact |
| Suitable for degree of protection (IP) | IP20                |

### Cable construction

|                    |        |
|--------------------|--------|
| Raw cable          | Cat.7  |
| Cable type         | S/FTP  |
| Cable construction | 4x2    |
| AWG-size           | 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                           |
| Halogen-free                | yes                              |
| Low smoke                   | acc. IEC61034                    |

### Environmental conditions

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

### Electrical characteristics

|                               |                                                                              |
|-------------------------------|------------------------------------------------------------------------------|
| NVP value                     | - %                                                                          |
| Impedance                     | 100 ±25 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                                                              |
| POE class                     | PoE acc. to IEEE802.3af; PoE+ acc. to IEEE802.3at; 4PPoE acc. to IEEE802.3bt |
| Current capacity              | max. 1 A                                                                     |
| Operating-/ tempering voltage | max. 50 V DC                                                                 |

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

### Transmission characteristics

|              |        |
|--------------|--------|
| Bandwidth    | 500MHz |
| Transmission | 10Gbit |

### Standards, approvals, certifications

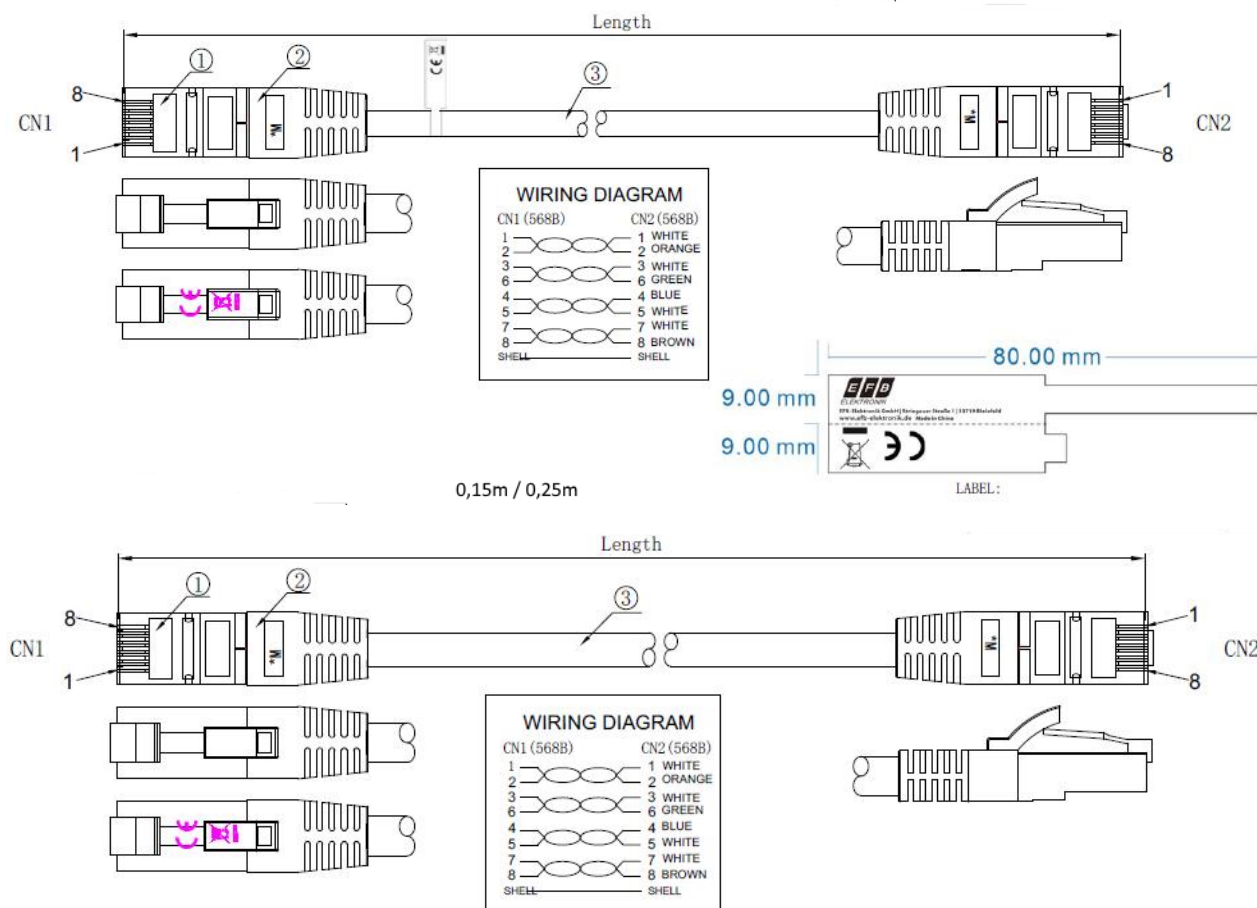
|                  |                                        |
|------------------|----------------------------------------|
| Cabling Standard | ISO/IEC 11801;ANSI/TIA-568-C.2;EN50173 |
| Connector        | IEC 60603-7-51                         |

### Available variants

| Article no.   | Title                                                                      | Length | Length tolerance |
|---------------|----------------------------------------------------------------------------|--------|------------------|
| K5525FBL.0,15 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,15m, blue | 0.15 m | ±5 %             |
| K5525FBL.0,25 | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,25m, blue | 0.25 m | ±5 %             |
| K5525FBL.0,5  | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,5m, blue  | 0.5 m  | ±5 %             |
| K5525FBL.1    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1m, blue    | 1.0 m  | ±5 %             |
| K5525FBL.1,5  | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1,5m, blue  | 1.5 m  | ±5 %             |
| K5525FBL.2    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 2m, blue    | 2.0 m  | ±5 %             |
| K5525FBL.3    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 3m, blue    | 3.0 m  | ±5 %             |
| K5525FBL.5    | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 5m, blue    | 5.0 m  | ±5 %             |
| K5525FBL.7,5  | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 7,5m, blue  | 7.5 m  | ±5 %             |
| K5525FBL.10   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 10m, blue   | 10.0 m | ±5 %             |
| K5525FBL.15   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 15m, blue   | 15.0 m | ±5 %             |
| K5525FBL.20   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 20m, blue   | 20.0 m | ±5 %             |
| K5525FBL.25   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 25m, blue   | 25.0 m | ±5 %             |
| K5525FBL.30   | RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 30m, blue   | 30.0 m | ±5 %             |

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

### Technical drawings



### similar product

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| K5525FWS.1 | RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, white   |
| 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 |