



Part Number: CAT6+ S/FTP LSZH PATCH CORDS

Copper RJ45 Patch Cord, CAT6+ , S/FTP, LSZH

Product Description

Copper RJ45 Patch Cord, CAT6+ , S/FTP, 26AWG, LSZH/FRNC

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Environmental Space: | Indoor Rated (Not Riser or Plenum) |
| Suitable Applications: | Horizontal and building cabling. Support current and future Category 6 and 5e applications, such as: 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Nominal Diameter | No. of Pairs |
|-----|-----------|------------------|--------------|
| 26 | Stranded | 6.1 mm | 4 |

| | |
|------------------------|--------|
| Total Number of Pairs: | 4 |
| Conductor Size: | 26 AWG |

Insulation

| Material |
|--------------|
| Polyethylene |

Inner Shield Material

| Element | Type | Material |
|--------------------------|------|------------------------------|
| Individual shielded pair | Tape | Laminated aluminum-polyester |

Inner Jacket Material

| Material |
|-----------------|
| No inner Jacket |

Outer Shield Material

| Type | Material | Coverage [%] |
|-------|--------------------|--------------|
| Braid | TC - Tinned Copper | 30 % |

Outer Jacket Material

| Material | Nominal Diameter |
|-------------------------------|------------------|
| LSZH - Low Smoke Zero Halogen | 6.1 mm |

| | |
|----------------|---|
| Wiring Scheme: | T568A/B-T568A/B |
| Packaging: | Individually packaged in a clear plastic bag. |

Connectors

Materials

| Description | Material | Type |
|------------------|--|----------|
| Plug | Polycarbonate | RJ45 |
| Boot | LSZH | Snagless |
| Front Connection | Phosphor Bronze with 50u inch Gold over Nickel Plating | Blades |

Electrical Characteristics

| | |
|-------------------------|--------------|
| Dielectric Strength: | 2.5 kV DC |
| Current Rating: | 1 A |
| Insulation Resistance: | 5000 MOhm*km |
| Max Contact Resistance: | 20 mOhm |

Voltage

| Voltage Rating [V] |
|--------------------|
| 72 V DC |

| | |
|------------------------|--|
| Performance Footnote1: | There is 1dB margin on NEXT and RL guaranteed compared to ISO/IEC 11801-1:2018 |
| Performance Footnote2: | The performance data below 4Mhz or above 500Mhz are for information only. |

Temperature Range

| | |
|--------------------------|----------------|
| Installation Temp Range: | 0°C To +50°C |
| Operating Temp Range: | -20°C to +60°C |

Mechanical Characteristics

| | |
|----------------------------------|-------|
| Min Bend Radius (Overall Cable): | 25 mm |
| Plug /Jack Compatibility: | RJ45 |

Termination Interface

| Termination | Connection | Durabilities |
|-------------|------------------|--------------|
| RJ45 | Mated Connection | 750 Cycles |

Standards

| | |
|-------------------------------|--|
| ISO/IEC Compliance: | ISO/IEC 11801-1:2018 |
| Data Category: | Category 6+ |
| Telecommunications Standards: | ISO/IEC 11801-1:2017; EN 50173-1 Amd 1 Category 6; ANSI/TIA/EIA 568 C.2 Category 6 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|------------|
| EU RoHS Compliance Date (yyyy-mm-dd): | 2013-01-25 |
|---------------------------------------|------------|

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Part Number

| | |
|----------------|---|
| Related Parts: | CAT 6+ Shielded Modular Jacks, CAT 6+ shielded Patch Panels |
|----------------|---|

Variants

| Item # | Color | Length |
|-------------|-------|--------|
| C6S4100001M | Black | 1 m |
| C6S4100002M | Black | 2 m |
| C6S4100003M | Black | 3 m |
| C6S4100005M | Black | 5 m |
| C6S4100010M | Black | 10 m |
| C6S4100015M | Black | 15 m |
| C6S41000D5M | Black | 0.5 m |
| C6S4106001M | Blue | 1 m |
| C6S4106002M | Blue | 2 m |
| C6S4106003M | Blue | 3 m |
| C6S4106005M | Blue | 5 m |
| C6S4106008M | Blue | 8 m |
| C6S4106010M | Blue | 10 m |
| C6S4106015M | Blue | 15 m |
| C6S41060D5M | Blue | 0.5 m |
| C6S4106006M | Blue | 6 m |
| C6S4108001M | Gray | 1 m |
| C6S4108002M | Gray | 2 m |
| C6S4108003M | Gray | 3 m |
| C6S4108005M | Gray | 5 m |

| | | |
|-------------|--------|-------|
| C6S4108010M | Gray | 10 m |
| C6S4108015M | Gray | 15 m |
| C6S41080D5M | Gray | 0.5 m |
| C6S4105001M | Green | 1 m |
| C6S4105002M | Green | 2 m |
| C6S4105003M | Green | 3 m |
| C6S4105005M | Green | 5 m |
| C6S4105010M | Green | 10 m |
| C6S4105015M | Green | 15 m |
| C6S41050D5M | Green | 0.5 m |
| C6S4103005M | Orange | 5 m |
| C6S4102001M | Red | 1 m |
| C6S4102002M | Red | 2 m |
| C6S4102003M | Red | 3 m |
| C6S4102005M | Red | 5 m |
| C6S4102010M | Red | 10 m |
| C6S4102015M | Red | 15 m |
| C6S41020D5M | Red | 0.5 m |
| C6S4107005M | Violet | 5 m |
| C6S41071D5M | Violet | 1.5 m |
| C6S4109070M | White | 70 m |
| C6S41090D5M | White | 0.5 m |
| C6S4109050M | White | 50 m |
| C6S4109001M | White | 1 m |
| C6S4109002M | White | 2 m |
| C6S4109003M | White | 3 m |
| C6S4109005M | White | 5 m |
| C6S4109010M | White | 10 m |
| C6S4109015M | White | 15 m |
| C6S4109030M | White | 30 m |
| C6S4104001M | Yellow | 1 m |
| C6S4104002M | Yellow | 2 m |
| C6S4104003M | Yellow | 3 m |
| C6S4104005M | Yellow | 5 m |
| C6S4104010M | Yellow | 10 m |
| C6S4104015M | Yellow | 15 m |
| C6S41040D5M | Yellow | 0.5 m |

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