



**Product:** [CAT6+ UTP LSZH RFID PATCHCORDS](#)

CAT6+ RFID Patch Cord, UTP, LSZH



### Product Description

CAT6+ Copper RFID Patch Cord, UTP, LSZH

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| 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, PoE ++<br>IEEE 802.3 bt type 3 and type 4 is applicable for max. 10m patch cord applications |
|------------------------|--|

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Pairs |
|-----|-----------|------------------|------------------|--------------|
| 23  | Solid     | BC - Bare Copper | 6.1 mm           | 4            |

Total Number of Pairs: 4

##### Insulation

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

##### Inner Jacket

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

##### Outer Jacket

| Material  | Nominal Diameter |
|---|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 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             | PVC  | Snagless |
| Front Connection | Phosphor Bronze with 50u inch Gold over Nickel Plating | Blades   |

#### Construction and Dimensions

##### Cabling

| Filler    |
|-----------|
| Cross Web |

#### Electrical Characteristics

Dielectric Strength: 2.5 kV DC

|                         |              |
|-------------------------|--------------|
| Current Rating:         | 1 A          |
| Insulation Resistance:  | 5000 MOhm*km |
| Max Contact Resistance: | 20 mOhm      |

#### Voltage

|                           |
|---------------------------|
| <b>Voltage Rating [V]</b> |
| 72 V DC                   |

|                        |  |
|------------------------|--|
| Performance Footnote1: | There is 1dB margin on NEXT and RL guaranteed compared to ISO/IEC 11801-1:2017 |
| Performance Footnote2: | The performance data below 4Mhz or above 500Mhz are for information only.      |

#### Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | 0°C To +50°C   |
| Operating Temperature 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  |
| Data Category:      | Category 6   |
| TIA/EIA Compliance: | 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

|                      |                                    |
|----------------------|------------------------------------|
| Environmental Space: | Indoor Rated (Not Riser or Plenum) |
|----------------------|------------------------------------|

#### Suitability

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

#### Flammability, LS0H, Toxicity Testing

|                   |               |
|-------------------|---------------|
| IEC Flammability: | IEC 60332-1-2 |
|-------------------|---------------|

#### Related Part Numbers

|                |  |
|----------------|--|
| Related Parts: | CAT6+ Modular Jacks, CAT6+ Patch Panels, PPRFID-MU |
|----------------|--|

#### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.14 Revision Date: 12-19-2023 |
|----------------------|---|

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