

**Product:** [C654108001M](#) 



CAT 6 unshielded patch cord, LSZH Stranded, T568A and T568B compatible, Grey, 1 Meter

## Product Description

CAT 6 unshielded patch cord, LSZH Stranded, T568A and T568B compatible, Grey, 1 Meter

## Technical Specifications

### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Horizontal and building cabling. Support current and future Category6 & 5e applications, such as: 10Base-T, 100Base-TX. |
|------------------------|---|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | No. of Pairs |
|-----|-----------|------------------|--------------|
| 24  | Stranded  | BC - Bare Copper | 4            |

#### Insulation

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

#### Outer Jacket

| Material  | Nominal Diameter |
|---|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 5.9 mm           |

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

### Connectors

#### Materials

| Description      | Material   | Type     |
|------------------|--|----------|
| Plug             | Polycarbonate  | RJ45     |
| Boot             | Polycarbonate  | Snagless |
| Front Connection | Phosphor bronze plated with 1.27µm gold over 2.54µm nickel undercoat | Blades   |

### Electrical Characteristics

|                         |                 |
|-------------------------|-----------------|
| Dielectric Strength:    | 1000 V AC (RMS) |
| Current Rating:         | 1.5 A           |
| Insulation Resistance:  | 500 Mohm min    |
| Max Contact Resistance: | 20 mOhm         |
| Rated Voltage:          | 72 V DC Max.    |

### Temperature Range

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

### Mechanical Characteristics

|                           |      |
|---------------------------|------|
| 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           |
| ANSI Compliance:    | ANSI/TIA/EIA 568 C.2 |

## Applicable Environmental and Other Programs

|                                 |        |
|---------------------------------|--------|
| Environmental Space:            | Indoor |
| EU Directive 2002/95/EC (RoHS): | Yes    |

## Suitability

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

## Related Part Numbers

|                |   |
|----------------|---|
| Related Parts: | CAT6 & CAT5e Modular Jacks, CAT6 & CAT5e Patch panels |
|----------------|---|

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.16 Revision Date: 05-23-2022 |
|----------------------|---|

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