



Product: [C6541000D5M](#)



CAT 6 unshielded patch cord, LSZH Stranded, T568A and T568B compatible, Black, 0.5 Meter

Product Description

CAT 6 unshielded patch cord, LSZH Stranded, T568A and T568B compatible, Black, 0.5 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: 0.20 Revision Date: 08-16-2023 |
|----------------------|-------------------------------------------------|

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