



Product: [CAD4C1020D5M](#)

CAT 6A Shielded Copper Patch Cord, 28 AWG, F/UTP, LSZH, Red, 0.5 Meter



Product Description

CAT 6A Shielded Copper Patch Cord, 28 AWG, F/UTP, LSZH, Red, 0.5 Meter

Technical Specifications

Product Overview

|                        |                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | Horizontal and building cabling. Support current and future Category 6A, 10GX, Category6 & 5e applications, such as: 10Base-T, 100Base-TX, 1000Base-T and 10GBase-T |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material         | No. of Pairs |
|-----|-----------|------------------|--------------|
| 28  | Stranded  | BC - Bare Copper | 4            |

Insulation

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

Outer Shield

| Drainwire Material     |
|------------------------|
| Stranded Tinned Copper |

Outer Jacket

| Material                                        | Nominal Diameter |
|-------------------------------------------------|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 4.8 mm           |

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

Connectors

Materials

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

Electrical Characteristics

|                         |                |
|-------------------------|----------------|
| Dielectric Strength:    | 750 V AC (RMS) |
| Current Rating:         | 1.5 A          |
| Insulation Resistance:  | 5 G ohm*km     |
| Max Contact Resistance: | 20 mOhm        |
| Voltage Rating:         | 120 V DC       |

Temperature Range

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

|                              |                |
|------------------------------|----------------|
| Operating Temperature Range: | -20°C To +75°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 6A                           |
| TIA/EIA Compliance: | ISO/IEC 11801-1, ANSI/TIA/EIA 568 C.2 |

Applicable Environmental and Other Programs

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

Suitability

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

Related Part Numbers

|                |                                         |
|----------------|-----------------------------------------|
| Related Parts: | CAT6A Modular Jacks, CAT6A Patch Panels |
|----------------|-----------------------------------------|

History

|                      |                                                |
|----------------------|------------------------------------------------|
| Update and Revision: | Revision Number: 0.8 Revision Date: 06-28-2022 |
|----------------------|------------------------------------------------|

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