

# Product: CAT6+ UTP CMR PATCH CORDS

CAT6+ UTP CMR Patch Cords

## Product Description

CAT6+ UTP CMR Patch Cords

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | IBDN System 4800, 3600 and 2400, TIA Category 6, ISO Class E, 1000BASE-T |

### Physical Characteristics (Overall)

| | |
|---|---|
| Total Number of Pairs: | 4 |
| Overall Nominal Diameter: | 0.225 in |
| Wiring Scheme: | T568A/B-T568A/B |
| Packaging: | Individually packaged in a clear plastic bag. |

### Connectors

**Materials**

| Description | Material | Color |
|---|---|---|
| Boot | Elastomer | Translucent |
| Conductor | BC - Bare Copper | |
| Front Connection | Blades Phosphor Bronze with 50u inch Gold over Nickel Plating | |
| Inner Jacket | | |
| Insulation | PO - Polyolefin | |
| Outer Jacket | PVC - Polyvinyl Chloride | |

### Electrical Characteristics

| | |
|---|---|
| Dielectric Strength: | 1,000 V RMS @ 60 Hz for 1 minute |
| Current Rating: | 1.500 A |
| Insulation Resistance: | 500 M-Ohm Minimum |
| Max Contact Resistance: | 20 mOhm |

### Temperature Range

| | |
|---|---|
| Installation Temperature Range: | -10°C To +60°C |
| Storage Temperature Range: | -40°C To +70°C |
| Operating Temperature Range: | -10°C To +60°C |

### Mechanical Characteristics

| | |
|---|---|
| Min Bend Radius (Overall Cable): | 1.040 in |
| Plug /Jack Compatibility: | RJ45 |

**Termination Interface**

| Connection | Durabilities |
|---|---|
| Mated Connection | 750 Cycles |

## Standards

| | |
|---|---|
| UL Rating: | Riser |
| ISO/IEC Compliance: | IEC 60603-7 |
| Data Category: | Category 6 |
| TIA/EIA Compliance: | Category 6 - TIA 568.2-D, ISO/IEC 11801-1, TIA TSB-5021 |
| IEEE Compliance: | Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBaseTTM (up to 100W) |

## Applicable Environmental and Other Programs

| | |
|---|---|
| Environmental Space: | Indoor |
| EU Directive 2002/95/EC (RoHS): | Yes |
| MII Order #39 (China RoHS): | EUP 50 |

## Flammability, LS0H, Toxicity Testing

| | |
|---|---|
| Safety Listing: | c(UL)us Listed |

## Related Part Numbers

| | |
|---|---|
| Related Parts: | CAT6+ Modular Jacks and Couplers, CAT6+ Patch Panels |

## Product Notes

| | |
|---|---|
| Labeling: | Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length. |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.420 Revision Date: 10-24-2024 |

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