



**Product:** [CAT6A UTP CM Patch Cords](#)

DataConnect CAT6A UTP Patch Cords 24 AWG, CM

**Product Description**

DataConnect CAT6A UTP 24 AWG CM Non-Bonded Patch Cords

**Technical Specifications**

**Product Overview**

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Suitable Applications: | Ethernet 10/ 100/ 1000BASE-T, 2.5G/ 5G/ 10GBASE-T |
|------------------------|---------------------------------------------------|

**Physical Characteristics (Overall)**

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Total Number of Pairs:    | 4                                             |
| Overall Nominal Diameter: | 0.264 in                                      |
| Wiring Scheme:            | T568A/B-T568A/B                               |
| Packaging:                | Individually packaged in a clear plastic bag. |

**Connectors**

**Materials**

| Description      | Material                                                      | Color       |
|------------------|---------------------------------------------------------------|-------------|
| Boot             | transparent - PVC                                             | Translucent |
| Conductor        | BC - Bare Copper                                              |             |
| Front Connection | Blades Phosphor Bronze with 50u inch Gold over Nickel Plating |             |
| Insulation       | HDPE (CMI-75E)                                                |             |
| 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       | Durabilitties |
|------------------|---------------|
| Mated Connection | 750 Cycles    |

**Standards**

|                     |                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| UL Rating:          | CM (Not Riser or Plenum)                                                                                                                             |
| ISO/IEC Compliance: | IEC 60603-7                                                                                                                                          |
| Data Category:      | Category 6A                                                                                                                                          |
| TIA/EIA Compliance: | Category 6A - TIA 568.2-D, ISO/IEC 11801-1                                                                                                           |
| IEEE Compliance:    | IEEE 802.3at type 1 and 2 (PoE) up to 30W, IEEE 802.3bt type 3 and 4 (PoE) up to 100W, CISCO (UPOE) up to 60W, Power over HDBaseTTM (POH) 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, UL 1863, UL File E77103 |
|-----------------|-----------------------------------------|

Related Part Numbers

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

Variants

| Item #     | Color  | Length |
|------------|--------|--------|
| CA43100003 | Black  | 3 ft   |
| CA43100005 | Black  | 5 ft   |
| CA43100007 | Black  | 7 ft   |
| CA43100010 | Black  | 10 ft  |
| CA43100015 | Black  | 15 ft  |
| CA43106002 | Blue   | 2 ft   |
| CA43106003 | Blue   | 3 ft   |
| CA43106004 | Blue   | 4 ft   |
| CA43106005 | Blue   | 5 ft   |
| CA43106006 | Blue   | 6 ft   |
| CA43106007 | Blue   | 7 ft   |
| CA43106010 | Blue   | 10 ft  |
| CA43106015 | Blue   | 15 ft  |
| CA43108003 | Gray   | 3 ft   |
| CA43108005 | Gray   | 5 ft   |
| CA43108007 | Gray   | 7 ft   |
| CA43108010 | Gray   | 10 ft  |
| CA43108015 | Gray   | 15 ft  |
| CA43105003 | Green  | 3 ft   |
| CA43105005 | Green  | 5 ft   |
| CA43105007 | Green  | 7 ft   |
| CA43105010 | Green  | 10 ft  |
| CA43105015 | Green  | 15 ft  |
| CA43103003 | Orange | 3 ft   |
| CA43103005 | Orange | 5 ft   |
| CA43103007 | Orange | 7 ft   |
| CA43103010 | Orange | 10 ft  |
| CA43103015 | Orange | 15 ft  |
| CA43109002 | White  | 2 ft   |
| CA43109003 | White  | 3 ft   |
| CA43109004 | White  | 4 ft   |
| CA43109005 | White  | 5 ft   |
| CA43109006 | White  | 6 ft   |
| CA43109007 | White  | 7 ft   |
| CA43109010 | White  | 10 ft  |
| CA43109015 | White  | 15 ft  |
| CA43104002 | Yellow | 2 ft   |
| CA43104003 | Yellow | 3 ft   |
| CA43104004 | Yellow | 4 ft   |
| CA43104005 | Yellow | 5 ft   |
| CA43104006 | Yellow | 6 ft   |
| CA43104007 | Yellow | 7 ft   |

|            |        |       |
|------------|--------|-------|
| CA43104010 | Yellow | 10 ft |
| CA43104015 | Yellow | 15 ft |

Product Notes

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

History

|                      |                                                |
|----------------------|------------------------------------------------|
| Update and Revision: | Revision Number: 0.8 Revision Date: 02-26-2024 |
|----------------------|------------------------------------------------|

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