



Product: [C601108010](#)

Cable Assemblies - CAT6+ Modular Cord, 10ft (3.0 m)

Product Description

CAT6+ Patch Cord, UTP, Bonded-Pair, 4 Pair, 24 AWG Solid, CMR, T568A/B-T568A/B, Gray, 10 ft (3.0 m)

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | IBDN Shielded System 4800, IBDN System 3600, IBDN System 2400, TIA Category 6, ISO Class E, 1000BASE-T, Support Power over Ethernet (up to 100W), Cisco UPOE (up to 60W) and Power over HDBase-T (up to 100W) |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

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

Insulation

| Material |
|-----------------|
| PO - Polyolefin |

Outer Shield

| Material |
|----------|
| Aluminum |

Outer Jacket

| Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

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

Connectors

Materials

| Description | Material | Type |
|------------------|--|--------|
| Plug | Polycarbonate | RJ45 |
| Boot | Elastomer | |
| Front Connection | Phosphor Bronze with 50u inch Gold over Nickel Plating | Blades |

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 |
| Table Notes: | 100 meter Cable Specifications - * TIA/EIA-568.2-D Category 6 Standard----- PSACRF is formally PSELFEXT |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Mated Connection

| Frequency (MHz) | Max. Insertion Loss Belden** (dB) | Min. Return Loss Belden** (dB) | Min. Balanced TCL TIA* (dB) | Min. Balanced TCL Belden** (dB) |
|-----------------|-----------------------------------|--------------------------------|-----------------------------|---------------------------------|
| 1 MHz | 2 dB | 20 dB | 40 dB | 40 dB |
| 4 MHz | 3.7 dB | 23 dB | 40 dB | 40 dB |
| 8 MHz | 5.2 dB | 24.5 dB | 40 dB | 40 dB |
| 10 MHz | 5.9 dB | 25 dB | 40 dB | 40 dB |
| 16 MHz | 7.4 dB | 25 dB | 38 dB | 38 dB |
| 20 MHz | 8.3 dB | 25 dB | 37 dB | 37 dB |
| 25 MHz | 9.3 dB | 24.3 dB | 36 dB | 36 dB |
| 31.25 MHz | 10.4 dB | 23.6 dB | 35.1 dB | 35.1 dB |
| 62.5 MHz | 14.9 dB | 21.5 dB | 32 dB | 32 dB |
| 100 MHz | 19 dB | 20.8 dB | 30 dB | 30 dB |
| 200 MHz | 27.5 dB | 18.7 dB | 27 dB | 27 dB |
| 250 MHz | 31 dB | 18 dB | 26 dB | 26 dB |
| 300 MHz | 34.2 dB | 17.5 dB | | |

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

| | |
|----------------------------------|------------|
| Max. Pull Tension: | 11.250 lbs |
| Min Bend Radius (Overall Cable): | 1.040 in |
| Plug /Jack Compatibility: | RJ45 |

Termination Interface

| Termination | Connection | Durabilities |
|-------------|------------------|--------------|
| RJ45 | Mated Connection | 750 Cycles |

Standards

| | |
|---------------------|---|
| UL Rating: | Riser |
| TIA/EIA Compliance: | Category 6 - TIA 568-C.2, Class E - ISO/IEC 11801:2002 Ed.2 Amendment 2 |
| Other Standards: | IEC 60603-7, ANSI/TIA 1096-A (formerly FCC Part 68-F) |

Applicable Environmental and Other Programs

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

Suitability

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

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|----------------|
| UL voltage rating: | 300 V RMS |
| Safety Listing: | c(UL)us Listed |

Related Part Numbers

| | |
|----------------|--|
| Related Parts: | CAT6+ Modular Jacks, CAT6+ RJ45 Couplers, CAT6+ Coupler Patch Panels |
|----------------|--|

Product Notes

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|-----------|--|
| Notes: | Weight: 0.027 lbs/ft. Cable with EquiBlock™ Barrier Technology |
| Labeling: | Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length |

History

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