



**Product:** [D6UR](#) 

Category 6 Cable, 4 Pair, U/UTP, CMR

## Product Description

Category 6 Premise Horizontal Cable (250MHz), 4 Pair, 23 AWG Solid Bare Copper Conductors, U/UTP, Riser-CMR, PVC Jacket

## Technical Specifications

### Product Overview

|                        |                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | Premise Horizontal Cable, Ethernet 1000BASE-T, Ethernet 100BASE-TX, Ethernet 10BASE-T, Surveillance, PoE++, PoE+, PoE                                                      |
| Patent:                | This product has one or more applicable patents. More information on patents can be found at <a href="https://www.belden.com/patents">https://www.belden.com/patents</a> . |

### Construction Details

#### Conductor

| Size | Stranding | Material         | No. of Pairs |
|------|-----------|------------------|--------------|
| 23   | Solid     | BC - Bare Copper | 4            |

#### Insulation

| Material        | Color Code                                                                                                     |
|-----------------|----------------------------------------------------------------------------------------------------------------|
| PO - Polyolefin | White/Blue Stripe & Blue, White/Orange Stripe & Orange, White/Green Stripe & Green, White/Brown Stripe & Brown |

#### Outer Jacket

| Material                 | Nom. Diameter | Ripcord |
|--------------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.224 in      | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.224 in (5.69 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Max. Conductor DCR | Max. Capacitance Unbalance |
|--------------------|----------------------------|
| 78 Ohm/km          | 330 pF/100m                |

#### Delay

| Frequency | Max. Delay    | Max. Delay Skew | Nom. Velocity of Prop. |
|-----------|---------------|-----------------|------------------------|
| 100 MHz   | 537.6 ns/100m | 35 ns/100m      | 70%                    |

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS (CMR)   |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      | Installation | Storage        |
|----------------|----------------|--------------|----------------|
| 75°C           | -20°C To +75°C | 0°C To +50°C | -20°C To +75°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.0 in (25 mm)  | 2.25 in (57.2 mm) |

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 25 lbs (11 kg)           |
| Bulk Cable Weight: | 22 lbs/1000ft (33 kg/km) |

Standards and Compliance

|                                       |                                                                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:            | RiserIndoor, Indoor                                                                                                                          |
| Sustainability:                       | Product Lens™, Environmental Product Declaration (EPD) Available                                                                             |
| Flammability / Reaction to Fire:      | UL 1666 Riser                                                                                                                                |
| CPR Compliance:                       | CPR Euroclass: Eca                                                                                                                           |
| NEC / UL Compliance:                  | CMR                                                                                                                                          |
| CEC / C(UL) Compliance:               | CMR                                                                                                                                          |
| IEEE Compliance:                      | IEEE 802.3bt Type 1, Type 2, Type 3, Type 4                                                                                                  |
| TIA/EIA Compliance:                   | ANSI/TIA-568-C.2 Category 6                                                                                                                  |
| Third Party Performance Verification: | Category 6                                                                                                                                   |
| ISO/IEC Compliance:                   | 11801 ed 2.2 (2011) Class E                                                                                                                  |
| European Directive Compliance:        | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2017-07-10 |
| APAC Compliance:                      | China RoHS II (GB/T 26572-2011)                                                                                                              |
| Plenum Number:                        | D6UP                                                                                                                                         |

Product Notes

|        |                                                                                                                                  |
|--------|----------------------------------------------------------------------------------------------------------------------------------|
| Notes: | Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. |
|--------|----------------------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.58 Revision Date: 07-27-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #        | Color       | Putup Type | Length   |
|---------------|-------------|------------|----------|
| D6UR 010U1000 | Black       | UnReel     | 1,000 ft |
| D6UR 006U1000 | Blue, Light | UnReel     | 1,000 ft |
| D6UR 008U1000 | Gray        | UnReel     | 1,000 ft |
| D6UR 005U1000 | Green, Dark | UnReel     | 1,000 ft |
| D6UR 003U1000 | Orange      | UnReel     | 1,000 ft |
| D6UR 002U1000 | Red         | UnReel     | 1,000 ft |
| D6UR 007U1000 | Violet      | UnReel     | 1,000 ft |
| D6UR 009U1000 | White       | UnReel     | 1,000 ft |
| D6UR 004U1000 | Yellow      | UnReel     | 1,000 ft |

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