Belden



# Product: 21674

TC-CIC 600V, 2+G C #3/0 Str BC, XLPE Ins, Blk PVC Jkt, 90C Dry/Wet CSA HL SUN RES DIR BUR

## Product Description

CSA Tray TC-CIC 600V, 2+G Conductor 3/0AWG (19x10H) Bare Copper, XLPE Insulation, Black PVC Outer Jacket, 90C Dry/Wet CSA HL SUN RES DIR BUR

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | CEC Power and Control Applications |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 2 | 3/0 | 19x10.5 | BC - Bare Copper |
| Ground | 1 | 4 | 7x12 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | XLP, XLPO, XLPE (Thermoset) | 0.0550 in (1.40 mm) | 0.521 in (13.2 mm) | Black, White |
| Ground | XLP, XLPO, XLPE (Thermoset) | | 0.521 in (13.2 mm) | Green |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.095 in (2.4 mm) | 1.271 in (32.28 mm) | Yes |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR |
|---|---|
| Conductor(s) | 1.6 Ohm/1000ft (5.2 Ohm/km) |
| Ground Wire | |

**Voltage**

| UL Voltage Rating | Voltage Rating |
|---|---|
| 600 V | 600 V (CSA TC) |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 90°C Dry, 90°C Wet | Wet/Dry: -40°C to 90°C |

| | |
|---|---|
| Bulk Cable Weight: | 1518 lbs/1000ft (2259 kg/km) |

### Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor/OutdoorDirect Burial, Indoor, Outdoor |
| Flammability / Reaction to Fire: | FT4 |
| NEC / UL Compliance: | TC |

| | |
|---|---|
| AWM Compliance: | C22.2#230 Type TC, C22.2#239 Type CIC |
| CEC / C(UL) Compliance: | TC, CIC |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.11 Revision Date: 10-07-2026 |

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