Belden




# Product: 21606

TC-CIC 600V, 8 C #10 Str BC, XLPE Ins, Blk PVC Jkt, 90C Dry/Wet CSA HL SUN RES DIR BUR

## Product Description

CSA Tray TC-CIC 600V, 8 Conductor 10AWG (7x18) 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) | 8 | 10 | 7x18 | BC - Bare Copper |
| Ground | | 12 AWG | 7x20 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | XLP, XLPO, XLPE (Thermoset) | 0.032 in (0.81 mm) | 0.174 in (4.42 mm) | Black and Numbered |
| Ground | XLP, XLPO, XLPE (Thermoset) | 0.030 in (0.76 mm) | 0.174 in (4.42 mm) | Green |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.095 in (2.4 mm) | 0.800 in (20.3 mm) | Yes |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Max. Current |
|---|---|---|
| Conductor(s) | 1.06 Ohm/1000ft (3.48 Ohm/km) | 30 Amps per Conductor at 30ºC |
| Ground Wire | | |

**Voltage**

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

### Mechanical Characteristics

**Temperature**

| Operating | Installation |
|---|---|
| Wet/Dry: -40°C to 90°C | -25°C To +90 |

**Bend Radius**

| Installation Min. |
|---|
| 7.8 in (200 mm) |

| | |
|---|---|
| Bulk Cable Weight: | 441 lbs/1000ft (656 kg/km) |

### Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor/OutdoorDirect Burial, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial |
| Flammability / Reaction to Fire: | FT4 |
| 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

| | |
|---|---|
| Update and Revision: | Revision Number: 0.42 Revision Date: 10-07-2026 |

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.