



Product: [21552](#) 

TC-CIC 600V, 4+G C #12 AWG BC, XLPE Ins, Blk PVC Jkt, 90C Dry/Wet
CSA HL SUN RES DIR BUR

Product Description

Four 12 AWG stranded (7x20) bare copper conductors plus ground wire, cross-linked polyethylene insulation, PVC jacket.

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 4 | 12 AWG | 7x20 | BC - Bare Copper |
| Ground | 1 | 12 AWG | 7x20 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|-----------------------------|--------------------|--------------------------|-------------------------|
| Conductor(s) | XLP, XLPO, XLPE (Thermoset) | 0.030 in (0.76 mm) | 0.150 in (3.81 mm) | Black, Red, Blue, White |
| Ground | No Insulation | | | |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|-------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.057 in (1.4 mm) | 0.491 in (12.5 mm) | Yes |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|-------------------------------|-------------------------------|
| 1.69 Ohm/1000ft | 24 Amps per Conductor at 30°C |
| 1.69 Ohm/1000ft (5.54 Ohm/km) | 30 Amps per Conductor at 30°C |

Voltage

| Voltage Rating |
|----------------|
| 600 V |

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 3.93 in (99.8 mm) | 3.93 in (99.8 mm) |

| | |
|--------------------|------------------|
| Max. Pull Tension: | 434 lbs (197 kg) |
| Bulk Cable Weight: | 170 lbs/1000ft |

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: | CIC, TC |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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| Update and Revision: | Revision Number: 0.145 Revision Date: 02-18-2026 |
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