



**Product:** [C5760](#)

Teck90 1000V, 2+G C #10+12 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

### Product Description

Teck90 1000V, 2+G Conductor 10+12AWG (7x18H) Bare Copper, XLPE Insulation M4 Color Code, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, CSA HL SUN RES -40C

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | CEC Power and Control Applications up to 600V |
|------------------------|---|

#### Construction Details

##### Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 10 AWG | 7x18      | BC - Bare Copper |
| Ground Wire  | 1               | 12 AWG | 7x20      | BC - Bare Copper |

##### Insulation

| Element      | Material                    | Nom. Thickness    | Nom. Insulation Diameter | Color Code   |
|--------------|-----------------------------|-------------------|--------------------------|--------------|
| Conductor(s) | XLP, XLPO, XLPE (Thermoset) | 0.045 in (1.1 mm) | 0.204 in mm              | Black, White |
| Ground Wire  | No Insulation               |                   |                          |              |

##### Outer Shield

| Material  |
|-----------|
| No Shield |

##### Inner Jacket

| Material                 | Nom. Thickness    | Nom. Diameter      |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.047 in (1.2 mm) | 0.502 in (12.8 mm) |

##### Armor

| Armor Type & Material          | Diameter Over Armor |
|--------------------------------|---------------------|
| AIA - Aluminum Interlock Armor | 0.727 in (18.5 mm)  |

##### Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter      | Ripcord |
|--------------------------|-------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.048 in (1.2 mm) | 0.823 in (20.9 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.823 in (20.9 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element      | Nom. Conductor DCR            | Max. Current                  |
|--------------|-------------------------------|-------------------------------|
| Conductor(s) | 1.06 Ohm/1000ft               | 24 Amps per Conductor at 30°C |
| Ground Wire  | 1.68 Ohm/1000ft (5.51 Ohm/km) |                               |

##### Voltage

| Voltage Rating |
|----------------|
|----------------|

1000 V (TECK 90)

## Mechanical Characteristics

### Temperature

| Operating      | Installation   |
|----------------|----------------|
| -40°C To +90°C | -25°C To +90°C |

### Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 6.58 in (167 mm) | 6.58 in (167 mm)  |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 550.4 lbs (249.7 kg) |
| Bulk Cable Weight: | 303 lbs/1000ft       |

## Standards and Compliance

|                                |   |
|--------------------------------|---|
| Environmental Suitability:     | Indoor, Outdoor, Sunlight Resistance, Burial  |
| CEC / C(UL) Compliance:        | TECK 90, HL   |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.254 Revision Date: 02-03-2025 |
|----------------------|--|

## Part Numbers

### Variants

| Item #         | Putup Type | UPC          |
|----------------|------------|--------------|
| C5760 01010000 | Reel       | 612825284413 |
| C5760 0102500  | Reel       | 612825284437 |
| C5760 0105000  | Reel       | 612825284451 |
| C5760 0107500  | Reel       | 612825284475 |
| C5760 0105000  | Reel       |              |

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