



**Product:** [C5635](#)

Teck90 1000V, 3+G C #2/0+6 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

## Product Description

Teck90 1000V, 3+G Conductor 2/0+6AWG (19x11H) 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
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	2/0 AWG	19x11	BC - Bare Copper
Ground Wire	1	6 AWG	7x14	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.08 in (2.0 mm)	0.571 in mm	Red, Black, Blue
Ground Wire	No Insulation			

#### Outer Shield

Material
No Shield

#### Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	1.394 in (35.41 mm)

#### Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	1.654 in (42.01 mm)

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	1.76 in (44.7 mm)	Yes

Overall Cable Diameter (Nominal):	1.76 in (44.7 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.0827 Ohm/1000ft	24 Amps per Conductor at 30°C
Ground Wire	0.419 Ohm/1000ft (1.37 Ohm/km)	

#### Voltage

Voltage Rating
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## Mechanical Characteristics

### Temperature

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

### Bend Radius

Stationary Min.	Installation Min.
14.08 in (357.6 mm)	14.08 in (357.6 mm)

Max. Pull Tension:	5395.5 lbs (2447.4 kg)
Bulk Cable Weight:	2199 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: 0.252 Revision Date: 05-31-2024
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