



Product: [C5731](#)

Teck90 1000V, 3+G C #12+14 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

### Product Description

Teck90 1000V, 3+G Conductor 12+14AWG (7x20H) 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	12 AWG	7x20	BC - Bare Copper
Ground Wire	1	14 AWG	7x22	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)	0.180 in mm	Black, Red, Blue
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)	0.481 in (12.2 mm)

##### Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.706 in (17.9 mm)

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.802 in (20.4 mm)	Yes

Overall Cable Diameter (Nominal):	0.802 in (20.4 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.68 Ohm/1000ft	30 Amps per Conductor at 30°C
Ground Wire	2.67 Ohm/1000ft (8.76 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.
6.14 in (156 mm)	6.14 in (156 mm)

Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	282 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
CEC / C(UL) Compliance:	TECK 90, HL
European Directive Compliance:	EU CE Mark, 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: 0.181 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type	UPC
C5731 01010000	Reel	612825284284
C5731 0102500	Reel	612825284307
C5731 0105000	Reel	612825284338
C5731 0105250	Reel	
C5731 0107500	Reel	612825284369
C5731 01010000	Reel	
C5731 0105000	Reel	

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