



Product: [C5583](#)

Teck90 1000V, 2+G C #8+10 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

### Product Description

Teck90 1000V, 2+G Conductor 8+10AWG (7x16H) 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)	2	8 AWG	7x17	BC - Bare Copper
Ground Wire	1	10 AWG	7x18	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)	0.234 in mm	Black, White
Ground Wire	No Insulation			

##### Outer Shield

Material
No Shield

##### Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.594 in (15.1 mm)

##### Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.819 in (20.8 mm)

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.915 in (23.2 mm)	Yes

Overall Cable Diameter (Nominal):	0.915 in (23.2 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.667 Ohm/1000ft	55 Amps per Conductor at 30°C
Ground Wire	1.06 Ohm/1000ft (3.48 Ohm/km)	

##### Voltage

Voltage Rating
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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.
7.31 in (186 mm)	7.31 in (186 mm)

Max. Pull Tension:	753.6 lbs (341.8 kg)
Bulk Cable Weight:	394 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: 0.129 Revision Date: 05-31-2024
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## Part Numbers

### Variants

Item #	Putup Type	UPC
C5583 0103281	Reel	612825283591
C5583 0105000	Reel	
C5583 010984	Reel	
C5583 0109840	Reel	612825283621
C5583 INJ9840	Reel	612825283560
C5583 0104920	Reel	

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