



**Product:** [C5506](#)

Teck90 600V, 8+G C #14+14 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

## Product Description

Teck90 600V, 8+G Conductor 14+14AWG (7x22H) 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)	8	14 AWG	7x23	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)	0.031 in (0.79 mm)	0.132 in mm	Black and Numbered
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)	0.563 in (14.3 mm)

#### Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.788 in (20.0 mm)

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.884 in (22.5 mm)	Yes

Overall Cable Diameter (Nominal):	0.884 in (22.5 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	2.7 Ohm/1000ft	17.5 Amps per Conductor at 30°C
Ground Wire	2.7 Ohm/1000ft (8.9 Ohm/km)	

#### Voltage

Voltage Rating
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600 V (TECK 90)

## Mechanical Characteristics

### Temperature

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

### Bend Radius

Stationary Min.	Installation Min.
7.02 in (178 mm)	7.02 in (178 mm)

Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	386 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: 0.184 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type	UPC
C5506 0101000	Reel	612825282266
C5506 01010000	Reel	612825282273
C5506 0102500	Reel	612825282297
C5506 0103280	Reel	612825282303
C5506 0105000	Reel	612825282310
C5506 0107500	Reel	612825282327

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