



**Product:** [C5505](#)

Teck90 600V, 7+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, 7+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)	7	14 AWG	7x22	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)	0.030 in (0.76 mm)	0.132 in (3.35 mm)	Black and Numbered
Ground Wire	No Insulation			

#### Outer Shield

Material
No Shield

#### Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.490 in (12.4 mm)	Yes	Black

#### Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.715 in (18.2 mm)

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.811 in (20.6 mm)	Yes

Overall Cable Diameter (Nominal):	0.811 in (20.6 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	2.67 Ohm/1000ft (8.76 Ohm/km)	25 Amps per Conductor at 30°C

#### Voltage

Voltage Rating
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## Mechanical Characteristics

### Temperature

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

### Bend Radius

Stationary Min.	Installation Min.
6.488 in (164.8 mm)	6.488 in (164.8 mm)

Max. Pull Tension:	636.8 lbs (288.8 kg)
Bulk Cable Weight:	326 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
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: 0.171 Revision Date: 05-31-2024
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