



**Product:** [C5570](#)

Teck90 600V, 12+G C #10+12 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

## Product Description

Teck90 600V, 12+G Conductor 10+12AWG (7x18H) 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	Number of Element	Size	Stranding	Material
Conductor(s)	12	10 AWG	7x18	BC - Bare Copper
Ground Wire	1	12 AWG	7x20	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)	0.174 in (4.42 mm)	Black and Numbered
Ground Wire	No Insulation			

#### Outer Shield

<b>Material</b>
No Shield

#### Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	0.888 in (22.6 mm)	Yes	Black

#### Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.034 in (0.86 mm)	1.148 in (29.16 mm)

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	1.244 in (31.60 mm)

Overall Cable Diameter (Nominal):	1.244 in (31.60 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.04 Ohm/1000ft	28 Amps per Conductor at 30°C
Ground Wire	1.68 Ohm/1000ft (5.51 Ohm/km)	30 Amps per Conductor at 30°C

#### Voltage

<b>Voltage Rating</b>
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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.
9.952 in (252.8 mm)	9.952 in (252.8 mm)

Max. Pull Tension:	2068.4 lbs (938.21 kg)
Bulk Cable Weight:	898 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	FT4
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: 0.160 Revision Date: 07-15-2022
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