



Product: [C5503](#)

Teck90 600V, 5+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, 5+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)	5	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)	0.450 in (11.4 mm)	Yes	Black

Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.675 in (17.1 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.771 in (19.6 mm)	Yes

Overall Cable Diameter (Nominal):	0.771 in (19.6 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	2.7 Ohm/1000ft	20 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

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.
6.168 in (156.7 mm)	6.168 in (156.7 mm)

Max. Pull Tension:	527.6 lbs (239.3 kg)
Bulk Cable Weight:	280 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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