



Product: [C5590](#)

Teck90 1000V, 2+G C #6+8 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 1000V, 2+G Conductor 6+8AWG (7x14H) 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	6 AWG	7x15	BC - Bare Copper
Ground Wire	1	8 AWG	7x16	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.060 in (1.5 mm)	0.300 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)	0.726 in (18.4 mm)

Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.951 in (24.2 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	1.047 in (26.59 mm)	Yes

Overall Cable Diameter (Nominal):	1.047 in (26.59 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.419 Ohm/1000ft	75 Amps per Conductor at 30°C
Ground Wire	0.667 Ohm/1000ft (2.19 Ohm/km)	

Voltage

Voltage Rating

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.
8.37 in (213 mm)	8.37 in (213 mm)

Max. Pull Tension:	1114.2 lbs (505.39 kg)
Bulk Cable Weight:	535 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: 0.101 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
C5590 0101640	Reel	612825283669
C5590 0102952	Reel	
C5590 0103280	Reel	
C5590 0105000	Reel	
C5590 0105250	Reel	
C5590 0107500	Reel	
C5590 010984	Reel	

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