



Product: [C5591](#)

Teck90 1000V, 3+G C 6 Str BC, XLPE Ins, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA SUN RES -40C

Product Description

Teck90 1000V, 3+G Conductor 6 AWG (7x14H) Bare Copper, XLPE insulation, 8 AWG (7x16H) bare copper ground wire, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, CSA SUN RES -40C

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600V
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	3	6	7x14	BC - Bare Copper
Ground	1	8	7x16	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE (Thermoset)	0.061 in (1.5 mm)	0.300 in (7.62 mm)	Black, Red, Blue

Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.773 in (19.6 mm)

Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	1.033 in (26.24 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	1.129 in (28.68 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.41 Ohm/1000ft	75 Amps per Conductor at 30°C
Ground	0.654 Ohm/1000ft (2.15 Ohm/km)	

Voltage

Voltage Rating
1000 V (TECK 90)

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.
9.032 in (229.4 mm)	9.032 in (229.4 mm)

Max. Pull Tension:	1462.1 lbs (663.20 kg)
Bulk Cable Weight:	687 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
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: 0.195 Revision Date: 07-15-2022
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Part Numbers

Variants

Item #	Putup Type
C5591 0105000	Reel

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