



**Product:** [6163](#)

Teck90 1000V, 3+G C #3/0+6 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

### Product Description

Teck90 1000V, 3+G Conductor 3/0+6AWG (19x10H) 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:	Power and Control Applications up to 600V
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	3/0	19x10	BC - Bare Copper
Ground	1	4	7x12	BC - Bare Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLPE, XLPO, XLPE (Thermoset)	0.08 in (2.0 mm)	0.622 in (15.8 mm)	Black, Red, Blue

##### Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	1.503 in (38.18 mm)

##### Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	1.783 in (45.29 mm)

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	1.889 in (47.98 mm)	Yes

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.065 Ohm/1000ft	24 Amps per Conductor at 30°C
Ground	0.259 Ohm/1000ft (0.850 Ohm/km)	

##### Voltage

Voltage Rating
1000 V (TECK 90)

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating

90°C Dry, 90°C Wet	-40°C To +90°C
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#### Bend Radius

Stationary Min.	Installation Min.
15.04 in (382.0 mm)	15.04 in (382.0 mm)

Max. Pull Tension:	6650 lbs (3020 kg)
Bulk Cable Weight:	2692 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
CEC / C(UL) Compliance:	TECK 90, HL
European Directive Compliance:	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: 0.334 Revision Date: 12-22-2023
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