



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
XLP, 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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