



Product: [C5627](#)

Teck90 1000V, 3+G C #1/0+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 1/0+6AWG (19x12H) 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)	3	1/0 AWG	19x12	BC - Bare Copper
Ground Wire	1	6 AWG	7x14	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.08 in (2.0 mm)	0.527 in mm	Red, Black, Blue
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	1.299 in (32.99 mm)

Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	1.559 in (39.60 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	1.665 in (42.29 mm)	Yes

Overall Cable Diameter (Nominal):	1.665 in (42.29 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.104 Ohm/1000ft	170 Amps per Conductor at 30°C
Ground Wire	0.419 Ohm/1000ft (1.37 Ohm/km)	

Voltage

Voltage Rating

Mechanical Characteristics

Temperature

Operating	Installation
-40°C To +90°C	-25°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
13.28 in (337.3 mm)	13.28 in (337.3 mm)

Max. Pull Tension:	4358.1 lbs (1976.8 kg)
Bulk Cable Weight:	1899 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: 0.248 Revision Date: 05-31-2024
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