



Product: [6198](#)

Teck90 1000V, 3+G C #4/0+4 Str BC, XLPE Ins M4, PVC Jkt, SIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 1000V, 3+G Conductor 4/0+4AWG (19x9H) Bare Copper, XLPE Insulation M4 Color Code, PVC Inner Jacket, Steel Interlock Armor, Black PVC Outer Jacket, CSA HL SUN RES -40C

Technical Specifications

Product Overview

Suitable Applications:	CEC Power and Control Applications
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	3	4/0 AWG	19x9	BC - Bare Copper
Ground Wire	1	4 AWG	7x12	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.080 in (2.0 mm)	0.677 in (17.2 mm)	Black, Red, Blue
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	1.622 in (41.20 mm)	Yes	Black

Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
SIA - Steel Interlock Armor	0.025 in (0.64 mm)	1.902 in (48.31 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	2.008 in (51.00 mm)
Overall Cable Diameter (Nominal):	2.008 in (51.00 mm)	

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.051 Ohm/1000ft	260 Amps per Conductor at 30°C
Ground Wire	0.254 Ohm/1000ft (0.833 Ohm/km)	95 Amps per Conductor at 30°C

Voltage

Voltage Rating

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C	-40°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
16.064 in (408.03 mm)	16.064 in (408.03 mm)

Max. Pull Tension:	8267.6 lbs (3750.1 kg)
Bulk Cable Weight:	3867 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	FT4
CEC / C(UL) Compliance:	TECK 90, HL

History

Update and Revision:	Revision Number: 0.57 Revision Date: 04-08-2022
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