

Product: 6178

Teck90 1000V, 2+G C #4/0+4 Str BC, XLPE Ins E1, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 1000V, 2+G Conductor 4/0+4AWG (19x9H) Bare Copper, XLPE Insulation E1 Color Code, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, CSA HL SUN RES -40C

Technical Specifications

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	4/0 AWG	19x9.5	BC - Bare Copper
Ground	1	4 AWG	7x12	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)	0.677 in (17.2 mm)	Black, White
Ground	No Insulation			

Inner Jacket

Material	Nom. Diameter	Color
PVC - Polyvinyl Chloride	1.52 in (38.6 mm)	Black

Armor

Armor Type & Material	Armor Thickness
AIA - Aluminum Interlock Armor	0.034 in (0.86 mm)

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	1.93 in (49.0 mm)
	1.93 in (49.0 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.052 Ohm/1000ft	260 Amps per Conductor at 30°C

Voltage

Voltage Rating
600 V (Teck90)

Mechanical Characteristics

Temperature

Operating
-40°C To +90°C

Max. Pull Tension:	3400 lbs (1500 kg)

Bulk Cable Weight:	1447 lbs/1000ft (2153 kg/km)

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: 0.442 Revision Date: 10-30-2026

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