Belden



Product: 6177

Teck90 1000V, 3+G C #3/0+6 Str BC, XLPE Ins M4, PVC Jkt, SIA 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, Steel 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)	3	3/0 AWG	19x10.5	BC - Bare Copper
Ground	1	4 AWG	7x12	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.622 in (15.8 mm)	Black, Red, Blue
Ground	No Insulation		

Inner Jacket

Material	Color
PVC - Polyvinyl Chloride	Black

Armor

Armor Type & Material	Armor Thickness
SIA - Steel Interlock Armor	0.034 in (0.86 mm)

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	1.340 in (34.04 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.0656 Ohm/1000ft	225 Amps per Conductor at 30ºC

Voltage

Voltage Rating
600 V (Teck90)

Mechanical Characteristics

Temperature

Operating
-40°C To +90°C

Max. Pull Tension:	6613.6 lbs (2999.9 kg)
Bulk Cable Weight:	1697 lbs/1000ft (2525 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: 0.58 Revision Date: 10-30-2026

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