Belden



Product: 6168

Teck90 600V, 3+3+G C #2+14+6 Str BC, XLPE Ins M4, PVC Jkt, SIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 600V, 3+3+G Conductor 2+14+6AWG (7x10+7x22) 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
Conductor1	3	2 AWG	7x10	BC - Bare Copper
Conductor2	3	14 AWG	7x22	BC - Bare Copper
Ground	1	6 AWG	7x14	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor1	XLP, XLPO, XLPE (Thermoset)	0.405 in (10.3 mm)	Black, Red, Blue
Conductor2	XLP, XLPO, XLPE (Thermoset)	0.132 in (3.35 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	0.873 in (22.2 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.166 Ohm/1000ft	104 Amps per Conductor at 30ºC

Voltage

Voltage Rating
600 V (Teck90)

Mechanical Characteristics

Temperature

Operating
-40°C To +90°C

Max. Pull Tension:	5550.1 lbs (2517.5 kg)
Bulk Cable Weight:	1739 lbs/1000ft (2588 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: 0.52 Revision Date: 10-30-2026

Part Numbers

Variants

Item #	Putup Type	UPC
6168 0101970	Reel	612825339816
6168 0104920	Reel	612825339830

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