Belden



Product: 6059

Teck90 600V, 3+3+G C #8+14+10 Str BC, XLPE Ins, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 600V, 3+3+G Conductor 8+14+10AWG (7x16H+7x22H) Bare Copper, XLPE Insulation, 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor1	3	8 AWG	7x16	BC - Bare Copper
Conductor2	3	14 AWG	7x22	BC - Bare Copper
Ground		10	7x18	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor1	XLP, XLPO, XLPE (Thermoset)	0.031 in (0.79 mm)	0.133 in (3.38 mm)	Black, Red, Blue (14 AWG); Black, Blue, Blue, Blue (8 AWG)

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.7 in (18 mm)

Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	1.024 in (26.01 mm)
		0.981 in (24.9 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.667 Ohm/1000ft (2.19 Ohm/km)	55 Amps per Conductor at 30ºC
2.67 Ohm/1000ft (8.76 Ohm/km)	25 Amps per Conductor at 30ºC

Voltage

UL Voltage Rating
600 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
8.192 in (208.1 mm)	8.192 in (208.1 mm)

Max. Pull Tension:	570 lbs (260 kg)
Bulk Cable Weight:	567 lbs/1000ft (844 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading, FT4
AWM Compliance:	CSA C22.2#131; Hazardous Locations CSA C22.2#0.3 Clause 4.31 Low Acid Gas
CEC / C(UL) Compliance:	TECK 90, HL

History

Update and Revision:	Revision Number: 0.451 Revision Date: 10-30-2026

Part Numbers

Variants

Item #	Putup Type	UPC
6059 0104920	Reel	612825339151
6059 0101968	Reel	

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