Belden



Product: 6145

Teck90 600V, 7+G C #12+14 Str BC, XLPE Ins M4, PVC Jkt, SIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 600V, 7+G Conductor 12+14AWG (7x20) 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	7	12	7x20	BC - Bare Copper
Ground		14	7x22	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.030 in (0.76 mm)	0.174 in (4.42 mm)	Black and Numbered
Ground Wire	No Insulation			

Inner Jacket

Material	Ripcord	Color
PVC - Polyvinyl Chloride	Yes	Black

Armor

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.897 in (22.8 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR
Conductor(s)	1.65 ohms/1000 ft
Ground Wire	

Voltage

Voltage Rating
(TECK 90)

Mechanical Characteristics

Temperature

Operating
-40°C To +90°C

Bend Radius

Installation Min.
10.8 in (274 mm)

Max. Pull Tension:	318 lbs (144 kg)
Bulk Cable Weight:	605 lbs/1000ft (900 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
CEC / C(UL) Compliance:	TECK 90, HL

History

Update and Revision:	Revision Number: 0.89 Revision Date: 10-30-2026

Part Numbers

Variants

Item #	Putup Type
6145 010984	Reel

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