Belden



Product: C5730

Teck90 1000V, 2+G C #12+14 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 1000V, 2+G Conductor 12+14AWG (7x20H) Bare Copper, XLPE Insulation M4 Color Code, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, CSA HL SUN RES -40C

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600V

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	12 AWG	7x20	BC - Bare Copper
Ground Wire	1	14 AWG	7x22	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.045 in (1.1 mm)	0.180 in (4.57 mm)	Black, White
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.454 in (11.5 mm)	Yes	Black

Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.679 in (17.2 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.775 in

Overall Cable Diameter (Nominal):	0.775 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.65 Ohm/1000ft	30 Amps per Conductor at 30ºC
Ground Wire	2.67 Ohm/1000ft (8.76 Ohm/km)	

Voltage

Voltage Rating

1000 V (TECK 90)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
6.2 in (160 mm)	6.2 in

Max. Pull Tension:	428.2 lbs (194.2 kg)
Bulk Cable Weight:	246 lbs/1000ft

Standards and Compliance

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

History

Update and Revision:	Revision Number: 0.327 Revision Date: 10-07-2026

Part Numbers

Variants

Item #	Putup Type	UPC
C5730 01010000	Reel	612825284192
C5730 0101968	Reel	612825284208
C5730 0105000	Reel	612825284239
C5730 010984	Reel	612825284260
C5730 0109840	Reel	612825284277

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