Belden



Product: C5734

Teck90 1000V, 6+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, 6+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:	CEC Power and Control Applications up to 600V

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	6	12	7x20.5	BC - Bare Copper
Ground		14	7x22	BC - Bare Copper

Insulation

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

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.67 in (17 mm)

Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.98 in (25 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.62 ohms/1000ft	20 Amps per Conductor at 30ºC
Ground Wire		

Voltage

Voltage Rating
(TECK 90)

Mechanical Characteristics

Temperature

Operating

-40°C To +90°C

Bend Radius

Installation Min.
11.75 in (298.5 mm)

Max. Pull Tension:	520 lbs (240 kg)
Bulk Cable Weight:	453 lbs/1000ft (674 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
CEC / C(UL) Compliance:	TECK 90, HL
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.50 Revision Date: 10-30-2026

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