



**Product:** [C5531](#)

Teck90 600V, 3+G C #12+14 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

## Product Description

Teck90 600V, 3+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)	3	12	7x20	BC - Bare Copper
Ground	1	14	7x22	BC - Bare Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE (Thermoset)	0.03 in (0.76 mm)	0.150 in (3.81 mm)	Black, Red, Blue

#### Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.417 in (10.6 mm)

#### Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.642 in (16.3 mm)

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.738 in (18.7 mm)	Yes

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.68 Ohm/1000ft	24 Amps per Conductor at 30°C
Ground	2.6 Ohm/1000ft (8.5 Ohm/km)	

#### Voltage

Voltage Rating
600 V (TECK 90)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating	Installation

90°C	-40°C To +90°C	-25°C To +90°C
------	----------------	----------------

#### Bend Radius

Stationary Min.	Installation Min.
5.904 in (150.0 mm)	5.904 in (150.0 mm)

Max. Pull Tension:	315 lbs (143 kg)
Bulk Cable Weight:	261 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
CEC / C(UL) Compliance:	TECK 90, HL
European Directive Compliance:	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: 0.256 Revision Date: 05-31-2024
----------------------	--

#### Part Numbers

#### Variants

Item #	Putup Type	UPC
C5531 01010000	Reel	612825282648
C5531 0102500	Reel	612825282662
C5531 0105000	Reel	612825282686
C5531 0105000	Reel	612825282686
C5531 0107500	Reel	612825282709
C5531 01010000	Reel	

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.