



Product: [C5601](#)

Teck90 1000V, 3+G C #4+8 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 1000V, 3+G Conductor 4+8AWG (7x12) 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	4	7x12	BC - Bare Copper
Ground	1	8	7x16	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLPE, XLPO, XLPE (Thermoset)	0.061 in (1.5 mm)	0.347 in (8.81 mm)	Black, Red, Blue

Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	0.840 in (21.3 mm)

Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	1.174 in (29.82 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	1.270 in (32.26 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.26 Ohm/1000ft	95 Amps per Conductor at 30°C
Ground	0.654 Ohm/1000ft (2.15 Ohm/km)	

Voltage

Voltage Rating
1000 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.
10.16 in (258.1 mm)	10.16 in (258.1 mm)

Max. Pull Tension:	2077.4 lbs (942.29 kg)
Bulk Cable Weight:	936 lbs/1000ft

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: 0.197 Revision Date: 02-03-2025
----------------------	--

Part Numbers

Variants

Item #	Putup Type
C5601 0101640	Reel
C5601 0102000	Reel
C5601 0103000	Reel
C5601 0103280	Reel
C5601 0106000	Reel

© 2025 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.