Belden



Product: 6048

Teck90 600V, 40+G C #10+12 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 600V, 40+G Conductor 10+12AWG (7x22H) 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	40	10 AWG	7x18	BC - Bare Copper
Ground	1	12 AWG	7x20	BC - Bare Copper
Ground	10		7x18	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor1	XLP, XLPO, XLPE (Thermoset)	0.030 in (0.76 mm)	0.174 in (4.42 mm)	Black and Numbered 1, Black and Numbered 2, Black and Numbered 3, Black and Numbered 4, Black and Numbered 5, Black and Numbered 6, Black and Numbered 7, Black and Numbered 8, Black and Numbered 9, Black and Numbered 10, Black and Numbered 11, Black and Numbered 12, Black and Numbered 13, Black and Numbered 14, Black and Numbered 15, Black and Numbered 16, Black and Numbered 17, Black and Numbered 18, Black and Numbered 19, Black and Numbered 20, Black and Numbered 21, Black and Numbered 22, Black and Numbered 23, Black and Numbered 24, Black and Numbered 25, Black and Numbered 26, Black and Numbered 27, Black and Numbered 28, Black and Numbered 29, Black and Numbered 30, Black and Numbered 31, Black and Numbered 32, Black and Numbered 33, Black and Numbered 34, Black and Numbered 35, Black and Numbered 36, Black and Numbered 37, Black and Numbered 38, Black and Numbered 39, Black and Numbered 40
Ground Wire	No Insulation			

Inner Jacket

Material	Ripcord	Color
PVC - Polyvinyl Chloride	Yes	Black

Armor

Armor Type & Material	Armor Thickness
AIA - Aluminum Interlock Armor	0.034 in (0.86 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	1.272 in (32.31 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.07 Ohm/1000ft	16 Amps per Conductor at 30ºC
Ground Wire		

Voltage

Voltage Rating
600 V (TECK 90)

Mechanical Characteristics

Temperature

Operating
-40°C To +90°C

Max. Pull Tension:	5246.4 lbs (2379.7 kg)
Bulk Cable Weight:	2219 lbs/1000ft (3302 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	FT4
AWM Compliance:	CSA C22.2#131; Hazardous Locations CSA C22.2#0.3 Clause 4.31 Low Acid Gas
CEC / C(UL) Compliance:	TECK 90, HL

History

Update and Revision:	Revision Number: 0.60 Revision Date: 10-30-2026

Part Numbers

Variants

Item #	Putup Type	UPC
6048 0102500	Reel	612825338918
6048 0102460	Reel	

© 2026 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.