



Product: [C5602](#)

Teck90 1000V, 4+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, 4+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: | CEC Power and Control Applications up to 600V |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|-------|-----------|------------------|
| Conductor(s) | 4 | 4 AWG | 7x12 | BC - Bare Copper |
| Ground Wire | 1 | 8 AWG | 7x16 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|-----------------------------|-------------------|--------------------------|-------------------------|
| Conductor(s) | XLP, XLPO, XLPE (Thermoset) | 0.060 in (1.5 mm) | 0.347 in (8.81 mm) | Black, Red, Blue, White |
| Ground Wire | No Insulation | | | |

Outer Shield

| Material |
|-----------|
| No Shield |

Inner Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord | Color |
|--------------------------|-------------------|---------------------|---------|-------|
| PVC - Polyvinyl Chloride | 0.083 in (2.1 mm) | 1.004 in (25.50 mm) | Yes | Black |

Armor

| Armor Type & Material | Armor Thickness | Diameter Over Armor |
|--------------------------------|--------------------|---------------------|
| AIA - Aluminum Interlock Armor | 0.034 in (0.86 mm) | 1.264 in (32.11 mm) |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|-------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.048 in (1.2 mm) | 1.360 in (34.54 mm) |

| | |
|-----------------------------------|---------------------|
| Overall Cable Diameter (Nominal): | 1.360 in (34.54 mm) |
|-----------------------------------|---------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Max. Current |
|--------------|--------------------------------|-------------------------------|
| Conductor(s) | 0.26 Ohm/1000ft | 76 Amps per Conductor at 30°C |
| Ground Wire | 0.667 Ohm/1000ft (2.19 Ohm/km) | 55 Amps per Conductor at 30°C |

Voltage

| Voltage Rating |
|----------------|
|----------------|

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. |
|---------------------|---------------------|
| 10.88 in (276.4 mm) | 10.88 in (276.4 mm) |

| | |
|--------------------|------------------------|
| Max. Pull Tension: | 2630.4 lbs (1193.1 kg) |
| Bulk Cable Weight: | 1149 lbs/1000ft |

Standards and Compliance

| | |
|--------------------------------|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance, UV Resistance |
| 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: 0.163 Revision Date: 12-22-2023 |
|----------------------|--|

© 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.