

# Product: C5626

Teck90 1000V, 4+G C #1+6 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

## Product Description

Teck90 1000V, 4+G Conductor 1+6AWG (19x14) 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) | 4 | 1 AWG | 19x14 | BC - Bare Copper |
| Ground Wire | 1 | 6 AWG | 7x14 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | XLP, XLPO, XLPE (Thermoset) | 0.080 in (2.0 mm) | 0.487 in (12.4 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) | 1.340 in (34.04 mm) | Yes | Black |

**Armor**

| Armor Type & Material | Armor Thickness | Diameter Over Armor |
|---|---|---|
| AIA - Aluminum Interlock Armor | 0.034 in (0.86 mm) | 1.600 in (40.64 mm) |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.053 in (1.3 mm) | 1.706 in |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 1.706 in |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Max. Current |
|---|---|---|
| Conductor(s) | 0.13 Ohm/1000ft | 116 Amps per Conductor at 30ºC |
| Ground Wire | 0.419 Ohm/1000ft (1.37 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. |
|---|---|
| 13.648 in (346.66 mm) | 13.648 in |

| | |
|---|---|
| Max. Pull Tension: | 4795.1 lbs (2175.0 kg) |
| Bulk Cable Weight: | 1932 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: 0.54 Revision Date: 10-07-2026 |

## Part Numbers

**Variants**

| Item # | Putup Type | UPC |
|---|---|---|
| C5626 0101641 | Reel | 612825283973 |
| C5626 0102460 | Reel | 612825283980 |
| C5626 0102500 | Reel | |
| C5626 0103280 | Reel | |

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