



Product: [C5561](#)

Teck90 600V, 3+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, 3+G Conductor 10+12AWG (7x18H) Bare Copper, XLPE Insulation M4 Color Code, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, CSA HL SUN RES -40C

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 10 | 7x18 | BC - Bare Copper | 3 |
| 12 | | BC - Bare Copper | 1 |

Conductor Count: 3

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|-----------------------------|------------------|------------------------|
| XLP, XLPO, XLPE (Thermoset) | 0.174 in | 0.031 in |
| No Insulation | | |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | Blue |

Inner Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.468 in | 0.047 in |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.789 in | 0.048 in |

Construction and Dimensions

Armor

| Type of Armor | Material | Diameter over Armoring |
|---------------|----------|------------------------|
| Interlocked | Aluminum | 0.693 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 1.04 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| |

40 Amps per Conductor at 30°C

Voltage

| Description | Non-UL Description | Non-UL Voltage Rating | Voltage Rating [V] |
|--------------|--------------------|-----------------------|--------------------|
| Type TECK 90 | TECK 90 | 600 V RMS | 600 V RMS |

Temperature Range

| | |
|--------------------------|----------------|
| Installation Temp Range: | -25°C To +90°C |
| Non-UL Temp Rating: | 90°C |
| Operating Temp Range: | -40°C To +90°C |

Mechanical Characteristics

| | |
|-----------------------------|----------------|
| UV Resistance: | Yes |
| Bulk Cable Weight: | 321 lbs/1000ft |
| Max. Pull Tension: | 200 lbs |
| Min Bend Radius/Minor Axis: | 9.47 in |

Standards

| | |
|----------------------|-----|
| NEC/(UL) Compliance: | N/A |
| CSA AWM Compliance: | 131 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2006-01-01 |

Suitability

| | |
|------------------------------------|-----|
| Suitability - Burial: | Yes |
| Suitability - Hazardous Locations: | Yes |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----|
| CSA Flammability: | FT4 |
| UL voltage rating: | N/A |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Putup Type | UPC |
|----------------|------------|--------------|
| C5561 01010000 | Reel | 612825283096 |
| C5561 0102500 | Reel | 612825283102 |
| C5561 0105000 | Reel | 612825283119 |
| C5561 0107500 | Reel | 612825283133 |
| C5561 0105000 | Reel | 612825283119 |
| C5561 01010000 | Reel | |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.43 Revision Date: 06-24-2020 |
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