



Part Number: 6163

1000V Teck 90, (3) 3/0 AWG (19x10) BC+Grd, XLP/PVC/PVC, Alum Armor

Product Description

3/0 AWG stranded (19x10) bare copper conductors plus ground wire, cross-linked polyethylene insulation, PVC inner jacket, aluminum interlocked armor, PVC outer jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| Element | AWG | Stranding | Material | No. of Conductors |
|------------------------------------|-------|-----------|------------------|-------------------|
| | 36586 | 19x10 | BC - Bare Copper | 3 |
| Ground Wire | 4 | | BC - Bare Copper | |
| Total Number of Conductors: | | | | 3 |

Insulation:

| Material | Nominal Wall Thickness |
|-------------------------------|------------------------|
| XLP - Cross-Linked Polyolefin | 0.08 in |

Color Chart 1:

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

Stranding:

| Lay Length |
|------------|
| Y mm |

Innerjacket:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 1.503 in | 0.083 in |

Outersheild 1:

| Material |
|------------|
| Unshielded |

Outerjacket 1:

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 1.9 in |
| | 1.889 in |

Aarmor:

| Type of Armor | Material | Diameter over Armoring |
|-------------------|----------|------------------------|
| Interlocked Armor | Aluminum | 1.783 mm |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 0.065 Ohm/1000ft |

Current:

| Max. Recommended Current [A] |
|---|
| 225 Amps per conductor @ 30°C (per NEC) |

Use

| | |
|------------------------------------|---------|
| Suitability - Burial: | Yes |
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 200 lbs |

Safety

| | |
|-------------------|-----|
| CSA Flammability: | FT4 |
|-------------------|-----|

Temperature Range

| | |
|-----------------------|------------------|
| Dry Temp Range: | -40 °C To +90 °C |
| Operating Temp Range: | -40 °C To +90 °C |
| Wet Temp Range: | -40 °C To +90 °C |

Mechanical Characteristics

| | |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 22.6 in |
|-----------------------------|---------|

Part Number

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

Standards

| | |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CSA AWM Specification: | CSA Specification |
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |

History

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