



Part Number: 27850

600V Teck-Style®, (20) 14 AWG (7x22) BC+Grd, XLPE/PVC/PVC, Alum Armor, MC

Product Description

Twenty 14 AWG stranded (7x22) 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 |
|------------------------------------|-----|-----------|------------------|-------------------|
| | 14 | 7x22 | BC - Bare Copper | 20 |
| Ground Wire | 14 | 7x22 | BC - Bare Copper | |
| Total Number of Conductors: | | | | 20 |

Insulation:

| Material | Nominal Wall Thickness |
|----------------------------------|------------------------|
| XLPE - Cross Linked Polyethylene | 0.03 in |

Color Chart 1:

| Number | Color |
|--------|--------------|
| 1 | Black |
| 2 | Red |
| 3 | Blue |
| 4 | Orange |
| 5 | Yellow |
| 6 | Brown |
| 7 | Red/Black |
| 8 | Blue/Black |
| 9 | Orange/Black |
| 10 | Yellow/Black |
| 11 | Brown/Black |
| 12 | Black/Red |
| 13 | Blue/Red |
| 14 | Orange/Red |
| 15 | Yellow/Red |
| 16 | Brown/Red |
| 17 | Black/Blue |
| 18 | Red/Blue |
| 19 | Orange/Blue |
| 20 | Yellow/Blue |

Stranding:

| Lay Length |
|------------|
| PVC mm |

Innerjacket:

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.86 in |

Outershield 1:

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

Outerjacket 1:

| Nominal Diameter |
|------------------|
| 1.23 in |

Armor:

| Type of Armor | Material | Diameter over Armoring |
|-------------------|----------|------------------------|
| Interlocked Armor | Aluminum | 1.12 mm |

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR

2.6 Ohm/1000ft

Current:

Max. Recommended Current [A]

7.5 Amps per conductor @ 25°C

Voltage:

UL Voltage Rating

600 V RMS

Use

| | |
|------------------------------------|---------|
| Suitability - Burial: | Yes |
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 649 lbs |

Safety

| | |
|---------------------|-------------------|
| CSA Flammability: | FT4 |
| IEEE Flammability: | 1202 |
| Other Flammability: | ICEA T-29-520 |
| UL Flammability: | UL1685 UL Loading |

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: | 15.3 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) |
| NEC/(UL) Specification: | NEC/(UL) Specification |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |

History

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