



Part Number: 27969

600V Metal Clad, (19) 14 AWG (7x22) BC+Grd, XLPE/PVC, Alum Armor, MC

Product Description

Nineteen 14 AWG stranded (7x22) bare copper conductors plus ground wire, cross-linked polyethylene insulation, aluminum interlocked armor, PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| Element | AWG | Stranding | Material | No. of Conductors |
|------------------------------------|-----|-----------|------------------|-------------------|
| | 14 | 7x22 | BC - Bare Copper | 19 |
| Ground Wire | 14 | 7x22 | BC - Bare Copper | |
| Total Number of Conductors: | | | | 19 |

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 |

Stranding:

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

Outershield 1:

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

Outerjacket 1:

| Nominal Diameter | Nominal Wall Thickness |
|------------------|------------------------|
| 1.11 in | 0.05 mm |

Armor:

| Type of Armor | Material | Diameter over Armoring |
|-------------------|----------|------------------------|
| Interlocked Armor | Aluminum | 1 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: | 610 lbs |

Safety

| | |
|------------------|-------------------|
| 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: | 12.1 in |
|-----------------------------|---------|

Part Number

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

Standards

| | |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| 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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