



Part Number: 27283

600V Metal Clad, (7) 10 AWG (7x18) BC+Grd, XLPE/PVC, Alum Armor, MC

Product Description

Seven 10 AWG stranded (7x18) 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 |
|-------------|-----|-----------|------------------|-------------------|
| | 10 | 7x18 | BC - Bare Copper | 7 |
| Ground Wire | 10 | 7x18 | BC - Bare Copper | |

| | |
|------------------------------------|---|
| Total Number of Conductors: | 7 |
|------------------------------------|---|

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 |

Stranding:

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

Outersheild 1:

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

Outerjacket 1:

| Nominal Diameter | Nominal Wall Thickness |
|------------------|------------------------|
| 0.84 in | 0.05 mm |

Armor:

| Type of Armor | Material | Diameter over Armoring |
|-------------------|----------|------------------------|
| Interlocked Armor | Aluminum | 0.74 mm |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 1.02 Ohm/1000ft |

Current:

| Max. Recommended Current [A] |
|------------------------------|
| 21 Amps per conductor @ 25°C |

Voltage:

| UL Voltage Rating |
|-------------------|
| 600 V RMS |

Use

| | |
|------------------------------------|---------|
| Suitability - Burial: | Yes |
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 560 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: | 10.4 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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