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General Description:

12 AWG stranded (7x20) bare copper conductors, 12 AWG bare copper ground wire, cross-linked polyethylene insulation, steel interlocked armor, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 9 | 12 | 7x20 | BC - Bare Copper |

Total Number of Conductors: 9

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 12

Ground Wire Stranding: 7x20

Ground Wire Conductor Material: BC - Bare Copper

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|----------------------------------|---------------------|
| XLPE - Cross Linked Polyethylene | 0.762 |

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket over Armor (y/n): Y

Outer Jacket over Armor

Outer Jacket Material over Armor (y/n): PVC

Outer Jacket Wall Thickness Over Armor: .050

Armor

Armor Type: Interlocked

Armor Material: Steel

Diameter over Armor: .76

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------------|
| 1 | Black |
| 2 | Red |
| 3 | Blue |
| 4 | Orange |
| 5 | Yellow |
| 6 | Brown |
| 7 | Red/Black |
| 8 | Blue/Black |
| 9 | Orange/Black |

Overall Nominal Diameter: 21.844 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

Wet Temperature Range: -40°C To +90°C

METRIC MEASUREMENT VERSION

28538 Multi-Conductor - 600V Type MC Metal Clad Cable

| | |
|-----------------------------------|----------------|
| Dry Temperature Range: | -40°C to +90°C |
| Bulk Cable Weight: | 656.296 Kg/Km |
| Max. Recommended Pulling Tension: | 2077.310 N |
| Min. Bend Radius/Minor Axis: | 274.320 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification: | MC, XHHW-2 Singles, UL1569 |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/13/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flame Test

| | |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

Suitability

| | |
|-----------------------|-----|
| Suitability - Burial: | Yes |
| Sunlight Resistance: | Yes |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

5.41365

Max. Operating Voltage - UL:

Voltage

600 V RMS

Max. Recommended Current:

Current

14 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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