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1-800-Belden1



General Description:

14 AWG stranded (7x22) bare copper conductors, 14 AWG bare copper ground wire, aluminum interlocked armor, .030" (.76mm) XLPE insulation, PVC inner jacket, PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 30 | 14 | 7x22 | BC - Bare Copper |

Total Number of Conductors: 30

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 14

Ground Wire Stranding: 7x22

Ground Wire Conductor Material: BC - Bare Copper

Insulation

Insulation Material:

| Insulation Material |
|-------------------------------|
| XLP - Cross Linked Polyolefin |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 2.108 |

Outer Jacket Diameter:

| Nom. Dia. (mm) |
|----------------|
| 25.705 |

Outer Jacket over Armor (y/n): Y

Outer Jacket over Armor

Outer Jacket Material Over Armor:

| OJ Over Armor Material | Dia. (mm) |
|--------------------------|-----------|
| PVC - Polyvinyl Chloride | 35.001 |

Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: 1.272

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------------------|
| 1-30 | Black and Numbered |

Mechanical Characteristics (Overall)

Installation Temperature Range: -25°C To +90°C

Wet Temperature Range: -40°C To +90°C

Dry Temperature Range: -40°C To +90°C

Bulk Cable Weight: 1558.145 Kg/Km

| | |
|-----------------------------------|------------|
| Max. Recommended Pulling Tension: | 4336.995 N |
| Min. Bend Radius/Minor Axis: | 426.720 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|---|
| CSA Specification: | C22.2 #131; Hazardous Location; C22.2 #0.3 Clause 4.31 Low Acid Gas |
| 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): | 01/01/2006 |
| 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

| | |
|-----------------|-----|
| CSA Flame Test: | FT4 |
|-----------------|-----|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 8.268 |

Max. Operating Voltage - Non-UL:

| |
|-----------|
| Voltage |
| 600 V RMS |

Max. Recommended Current:

| |
|-----------------------------|
| Current |
| 9 Amps per conductor @ 25°C |

Put Ups and Colors:

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

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