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1-800-Belden1



### General Description:

16 AWG stranded (7x24) bare copper conductors, 16 AWG bare copper ground wire, aluminum interlocked armor, .030x1A; (.76mm) XLPE insulation, PVC inner jacket, PVC outer jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
8	16	7x24	BC - Bare Copper

Total Number of Conductors: 8

#### Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 16

Ground Wire Stranding: 7x24

Ground Wire Conductor Material: BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material
XLPE - Cross Linked Polyethylene

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

##### Outer Jacket Diameter:

Nom. Dia. (mm)
12.7

Outer Jacket over Armor (y/n): Y

#### Outer Jacket over Armor

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

#### Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: .70

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	White and Numbered 1

2	Black and Numbered 2
3	Black and Numbered 3
4	Black and Numbered 4
5	Black and Numbered 5
6	Black and Numbered 6
7	Black and Numbered 7
8	Black and Numbered 8

**Overall Nominal Diameter:** 20.320 mm

## Mechanical Characteristics (Overall)

<b>Wet Temperature Range:</b>	-40°C To +90°C
<b>Dry Temperature Range:</b>	-40°C To +90°C
<b>Non-UL Temperature Rating:</b>	90°C Wet/Dry
<b>Bulk Cable Weight:</b>	541.705 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	662.782 N
<b>Min. Bend Radius/Minor Axis:</b>	243.840 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>CSA Specification:</b>	C22.2#239, HAZ LOC, C22.2#0.3 Clause 4.31 Low Acid Gas
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2006
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

**CSA Flame Test:** FT4

### Suitability

<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

### Plenum/Non-Plenum

**Plenum (Y/N):** No

## Electrical Characteristics (Overall)

### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
13.7802

### Max. Operating Voltage - Non-UL:

<b>Voltage</b>
600 V RMS

### Max. Recommended Current:

<b>Current</b>
7 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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