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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
40	14	7x22	BC - Bare Copper

Total Number of Conductors: 40

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 Jacket

Outer Jacket Material:

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

Outer Jacket Diameter:

Nom. Dia. (mm)
28.727

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	38.024

Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: 1.391

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1-40	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: 1949.542 Kg/Km

Max. Recommended Pulling Tension: 889.640 N

Min. Bend Radius/Minor Axis: 457.200 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
MIL Order #39 (China RoHS):	Yes

Flame Test

CSA Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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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

7.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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