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1-800-Belden1



General Description:

10 AWG stranded (7x18) bare copper conductors, 12 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
12	10	7x18	BC - Bare Copper

Total Number of Conductors: 12

Ground Wire

Ground Wire AWG: 12

Ground Wire (Y/N): Y

Ground Wire Stranding: 7x20

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
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (mm)
22.555

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	31.598

Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: 1.148

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1-12	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:	1587.909 Kg/Km
Max. Recommended Pulling Tension:	889.640 N
Min. Bend Radius/Minor Axis:	381 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
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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)
3.37943

Max. Operating Voltage - Non-UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
21 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 3 Revision Date: 12-04-2012

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C5570 Multi-Conductor - 600V Teck90 Cable

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