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1-800-Belden1



General Description:

8 AWG stranded (7x16) bare copper conductors, 10 AWG bare copper ground wire, aluminum interlocked armor, .045x1A; (1.14mm) XLPE insulation, PVC inner jacket, PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	8	7x16	BC - Bare Copper

Total Number of Conductors: 2

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 10

Ground Wire Stranding: 7x18

Ground Wire Conductor Material: BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
XLPE - Cross Linked Polyethylene	1.143

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.600

Outer Jacket Diameter:

Nom. Dia. (mm)
15.088

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	23.241

Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: .819

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

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:	605.697 Kg/Km
Max. Recommended Pulling Tension:	889.640 N
Min. Bend Radius/Minor Axis:	276.860 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, C22.2 #174 HL
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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Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

2.100

Max. Recommended Current:

Current

44 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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METRIC MEASUREMENT VERSION

C5583 Multi-Conductor - 600V & 1000V Teck90 Cable

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