

6163 Multi-Conductor - 1000V Teck90 Cable



For more Information
please call

1-800-Belden1

**General Description:**

3/0 AWG (19x10) bare copper conductors, XLPE insulation, 4 AWG bare copper ground wire, PVC inner jacket, aluminum interlocked armor, PVC outer jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
3	3/0	19x10	BC - Bare Copper

Total Number of Conductors: 3

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 4

Ground Wire Conductor Material: BC - Bare Copper

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
XLP - Cross-Linked Polyolefin	2.032

Inner Jacket**Inner Jacket Material:**

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	2.108	38.176

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)
48.26

Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: 1.783

Overall Cable**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

3	Blue
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Overall Nominal Diameter:	47.981 mm
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
Wet Temperature Range:	-40°C To +90°C
Dry Temperature Range:	-40°C To +90°C
Max. Recommended Pulling Tension:	889.640 N
Min. Bend Radius/Minor Axis:	574.040 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

CSA Specification:	CSA C22.2#131; Hazardous Location; CSA 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):	10/01/2005
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)

0.213265

Max. Recommended Current:

Current

225 Amps per conductor @ 30°C (per NEC)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 2 Revision Date: 12-02-2014

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