

7127W Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing

For more Information
please call

1-800-Belden1

**Description:**

16 AWG stranded (190x38) bare copper conductors, PVC-Nylon insulation, unshielded. oil- and abrasion-resistant PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
11	16	190x38	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	16
Ground Wire Stranding:	190x38
Ground Wire Conductor Material:	BC - Bare Copper
Ground Wire Insulation Material:	PVC/Nylon - Polyvinyl Chloride/Nylon

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.016
Nylon	0.005

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.063

Overall Cable

Overall Nominal Diameter:	0.582 in.
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
Other Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	199 lbs/1000 ft.
Max. Recommended Pulling Tension:	456 lbs.
Min. Bend Radius (Continuous Flexing):	5.800 in.
Flex Cycle Rating:	9 Million Flexes

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

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NEC(UL) Specification:	TC-ER, WTTC
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CEC/C(UL) Specification:	TC
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CSA Specification:	AWM I/II A/B
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IEEE Specification:	1202
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1277, UL1685 FT4 Loading, UL1685 FT4/IEEE 1202 Vertical Tray Flame Test, UL1685 Vertical Tray Flame Test
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CSA Flame Test:	FT4
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IEEE Flame Test:	1202
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Suitability

Suitability - Burial:	Yes
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Sunlight Resistance:	Yes
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Oil Resistance:	Yes - Oil Res II
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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/1000 ft)

5.7

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7127W 0031000	1,000 FT	214.000 LB	ORANGE	C	11 #16 + GRD PVC/NYL TPE
7127W 003250	250 FT	59.750 LB	ORANGE	C	11 #16 + GRD PVC/NYL TPE

Notes:

C = CRATE REEL PUT-UP.

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