

7414W Multi-Conductor - 600V FCC Control Cables for Moderate Flexing



For more Information
please call

1-800-Belden1

**Description:**

18 AWG stranded (16x30) bare copper conductors, PVC-Nylon insulation, unshielded, oil- and abrasion-resistant PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
8	18	16x30	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	18
Ground Wire Stranding:	16x30
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	0.015
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	0.047

Overall Cable

Overall Nominal Diameter:	0.451 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:	114 lbs/1000 ft.
Max. Recommended Pulling Tension:	252 lbs.
Min. Bend Radius (Continuous Flexing):	4.500 in.
Flex Cycle Rating:	1 Million Flexes

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

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NEC(UL) Specification:	TC-ER, WTTTC
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CSA Specification:	AWM I/II A/B
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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/IEEE 1202 Vertical Tray Flame Test
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C(UL) Flame Test:	FT4
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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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Non-halogenated:	No
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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)

6.5

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7414W 0601000	1,000 FT	122.000 LB	CHROME	C	8 #18 + GRD PVC/NYL TPE
7414W 060250	250 FT	33.500 LB	CHROME	C	8 #18 + GRD PVC/NYL TPE

Notes:

C = CRATE REEL PUT-UP.

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