

## 7422WS Multi-Conductor - 600V FCC Control Cables for Moderate Flexing

For more Information  
please call

1-800-Belden1

**General Description:**

16 AWG stranded (26x30) bare copper conductors, PVC-Nylon insulation, shielded, oil- and abrasion-resistant PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
2	16	26x30	BC - Bare Copper

Total Number of Conductors: 3

**Ground Wire**

Ground Wire (Y/N): Y

Ground Wire AWG: 16

Ground Wire Stranding: 26x30

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: PVC/Nylon - Polyvinyl Chloride/Nylon

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381
Nylon	0.127

**Insulation Color Code Chart:**

Color	Description
Black	Individually Numbered

**Inner Jacket****Inner Jacket Material:**

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
TPE - Thermoplastic Elastomer	0.635	6.909

Inner Jacket Ripcord: No

**Inner Jacket Color Code Chart:**

Color
Chrome

**Outer Shield****Outer Shield Material:**

AWG	Type	Outer Shield Material	Coverage (%)	Dia. (mm)
34	Braid	Tinned Copper	85.000	7.620

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
TPE - Thermoplastic Elastomer	1.194

**Overall Cable**

Overall Nominal Diameter: 10.008 mm

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**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +90°C
Other Temperature Range:	Flexing: -5°C To +90°C
UL Temperature Rating:	90°C (UL AWM Style 2587)
Bulk Cable Weight:	96.733 Kg/Km
Max. Recommended Pulling Tension:	467.061 N
Min. Bend Radius (Continuous Flexing):	81.280 mm
Flex Cycle Rating:	1 Million Flexes

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

NEC/(UL) Specification:	TC-ER, WTTC
CEC/C(UL) Specification:	600V Type CIC TC
AWM Specification:	UL Style 2587 (600 V 90°C), UL Style 21486 (1000 V 90°C)
CSA Specification:	AWM I/II A/B
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
EU REACH SVHC Present:	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

**Flame Test**

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

**Suitability**

Suitability - Burial:	Yes
Sunlight Resistance:	Yes
Oil Resistance:	Yes - Oil Res II
Non-halogenated:	No

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

13.124

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7422WS 060250	250 FT	29.750 LB	CHROME	C	2 #16+GRD PVC/NYL TPE BRD TPE

Notes:

## METRIC MEASUREMENT VERSION

### 7422WS Multi-Conductor - 600V FCC Control Cables for Moderate Flexing

C = CRATE REEL PUT-UP.

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