

## 7401W Multi-Conductor - 600V FCC Control Cables for Moderate Flexing



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (10x30) bare copper conductors plus stranded (10x30) bare copper ground wire, PVC insulation, Unshielded, Oil- and Abrasion-resistant TPE Jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	20	10x30	BC - Bare Copper

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.015

Insulation Color Code Chart:

Color	Description
Black	Individually Numbered

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
TPE - Thermoplastic Elastomer	0.037

#### Overall Cable

Overall Nominal Diameter: 0.211 in.

### 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:	29 lbs/1000 ft.
Max. Recommended Pulling Tension:	39 lbs.
Min. Bend Radius (Continuous Flexing):	2.200 in.
Flex Cycle Rating:	1 Million Flexes

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC(UL) Specification:	PLTC
AWM Specification:	UL Style 2587 (600 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

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CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: UL1685 FT4/IEEE 1202 Vertical Tray Flame Test

CSA 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

### Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.8

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7401W 0601000	1,000 FT	31.000 LB	CHROME	C	2 #20 + GRD PVC TPE
7401W 060250	250 FT	8.500 LB	CHROME	C	2 #20 + GRD PVC TPE
7401W 0605000	5,000 FT	155.000 LB			2 #20 + GRD PVC TPE

**Notes:**

C = CRATE REEL PUT-UP.

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