# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



# 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:

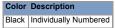


#### Insulation

Insulation Material:

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

## Insulation Color Code Chart:



### **Outer Shield**

Outer Shield Material:



## **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			
	MII Order #39 (China RoHS):	Yes			
Fla	Flame Test				
	UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test			
	CSA Flame Test:	FT4			
	IEEE Flame Test:	1202			
Sui	Suitability				
	Suitability - Burial:	Yes			
	Sunlight Resistance:	Yes			
	Oil Resistance:	Yes - Oil Res II			
	Non-halogenated:	No			
Ple	Plenum/Non-Plenum				
	Plenum (Y/N):	No			

#### **Electrical Characteristics (Overall)**

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

#### **Put Ups and Colors:**

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