

## 7407W 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, PVC insulation, Unshielded, Oil- and Abrasion-resistant TPE Jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
17	20	10x30	BC - Bare Copper

Total Number of Conductors: 18

#### Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 20

Ground Wire Stranding: 10x30

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: PVC - Polyvinyl Chloride

#### Insulation

##### Insulation Material:

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

##### 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 (mm)
TPE - Thermoplastic Elastomer	1.346

#### Overall Cable

Overall Nominal Diameter: 11.201 mm

### 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: 187.513 Kg/Km

Max. Recommended Pulling Tension: 1040.879 N

Min. Bend Radius (Continuous Flexing): 111.760 mm

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Flex Cycle Rating:	1 Million Flexes
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### 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
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
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
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### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	28.8728
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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7407W 0601000	1,000 FT	133.000 LB	CHROME	C	17 #20 + GRD PVC TPE
7407W 060250	250 FT	36.500 LB	CHROME	C	17 #20 + GRD PVC TPE
7407W 0605000	5,000 FT	700.000 LB	CHROME		17 #20 + GRD PVC TPE

#### Notes:

C = CRATE REEL PUT-UP.

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