

7404W 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/Nylon insulation, unshielded, oil- and abrasion-resistant TPE jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
6	20	10x30	BC - Bare Copper

Total Number of Conductors: 7

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/Nylon - Polyvinyl Chloride/Nylon

Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

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	0.940

Overall Cable

Overall Nominal Diameter: 7.849 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: 101.198 Kg/Km

Max. Recommended Pulling Tension: 404.786 N

Min. Bend Radius/Minor Axis: 88.900 mm

Min. Bend Radius (Continuous Flexing): 132.080 mm

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)

METRIC MEASUREMENT VERSION

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CSA Specification:	AWM I A/B 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
MIL Order #39 (China RoHS):	Yes

Flame Test

CSA Flame Test:	FT1
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Suitability

Oil Resistance:	Yes
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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/km)
34.4505

Max. Operating Voltage - UL:

Voltage
600 V RMS (UL AWM Style 2587)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7404W 0601000	1,000 FT	61.000 LB	CHROME	C	6 #20 + GRD PVC TPE
7404W 060250	250 FT	17.250 LB	CHROME	C	6 #20 + GRD PVC TPE
7404W 0605000	5,000 FT	310.000 LB	CHROME		6 #20 + GRD PVC TPE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 02-12-2016

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