

7404WS 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, shielded, oil- and abrasion-resistant TPE jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
7	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 - Polyvinyl Chloride

Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

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	0.356	6.985

Inner Jacket Color Code Chart:

Number	Color
060	Chrome

Outer Shield

Outer Shield Material:

AWG Type	Outer Shield Material	Coverage (%)	Dia. (mm)
34 Braid	Tinned Copper	85.000	7.696

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
TPE - Thermoplastic Elastomer	1.346

Overall Cable

Overall Nominal Diameter: 10.389 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:	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)
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
MII 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
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Max. Operating Voltage - UL:

Voltage	600 V RMS (UL AWM Style 2587)
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7404WS 0601000	1,000 FT	112.000 LB	CHROME	C	6 #20 + GRD PVC TPE BRD TPE
7404WS 060250	250 FT	29.750 LB	CHROME	C	6 #20 + GRD PVC TPE BRD TPE
7404WS 0605000	5,000 FT	555.000 LB	CHROME		6 #20 + GRD PVC TPE BRD TPE

Notes:

C = CRATE REEL PUT-UP.

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