



Part Number: 7401WS

600V FCC Moderate Flex, (2) 20 AWG (10x30) BC+Grd, PVC/TPE/TPE, TC Braid Shld, PLTC

Product Description

Two 20 AWG stranded (10x30) bare copper conductors plus ground wire, PVC insulation, TPE inner jacket, braided tinned copper shield, TPE outer jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	20	10x30	BC - Bare Copper	2
Ground Wire	20	10x30	BC - Bare Copper	
Total Number of Conductors:				3

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.015 in
PVC - Polyvinyl Chloride	

Color Chart 1:

Number	Color
Individually Numbered	Black

Stranding:

Lay Length
Yes mm

Innerjacket:

Material	Nominal Diameter	Nominal Wall Thickness
TPE - Thermoplastic Elastomer	0.197 in	0.025 in

Outershield 1:

Type	Material	Coverage [%]	Nominal Diameter
Braid	TC - Tinned Copper	85 %	0.219 in

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
TPE - Thermoplastic Elastomer	0.303 in	0.04 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
8.8 Ohm/1000ft

Use

Suitability - Oil Resistance:	Yes - Oil Res II
Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Flex Cycle Rating:	1 Million Flexes
Max Recommended Pulling Tension:	39 lbs

Safety

CSA Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
Suitability - Non-Halogenated:	No

Temperature Range

Operating Temp Range:	-40°C To +90°C
Other Temp Range:	Flexing: -5°C To +90 °C
UL Temp Rating:	90°C (UL AWM Style 2587)

Mechanical Characteristics

Min Bend Radius (Continuous Flexing):	3 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

Product Variants

Part Number	Color	Put-Up Type	Length
7401WS 0601000	CHROME	Reel	1000 ft
7401WS 060250	CHROME	Reel	250 ft
7401WS 0605000	CHROME	Reel	5000 ft

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