



Part Number: 7504A

75 Ohm Flex Vision Coax, (1) 16 AWG (7x37x40) BC,
FPE/PVC Blend, TC Braid Shld

Product Description

One 16 AWG stranded (7x37x40) bare copper conductor, foam polyethylene (FPE) insulation, tinned copper french braid, Belflex jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
16	7x37x40	BC - Bare Copper	0.065 in	1
Total Number of Conductors:			1	

Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.285 in

Outershield 1:

Type	Material	Coverage [%]
French Braid	TC - Tinned Copper	95 %

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter
PVC Blend - Polyvinyl Chloride Blend	Belflex®	0.405 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR		Nominal Outer Shield DCR	
3.5 Ohm/1000ft		3.6 Ohm/1000ft	

Capacitance:

Nom. Capacitance Conductor to Shield	
17.3 pF/ft	

Impedance:

Nominal Characteristic Impedance	
75 Ohm	

High Frequency (Nominal/Typical):

Frequency [MHz]		Nom. Insertion Loss	
2.2 MHz		0.2 db/100ft	
5 MHz		0.3 db/100ft	
10 MHz		0.4 db/100ft	
30 MHz		0.8 db/100ft	
50 MHz		1 db/100ft	
100 MHz		1.5 db/100ft	

Delay:

Nominal Delay		Nominal Velocity of Propagation (VP) [%]	
1.3 ns/ft		81 %	

High Freq:

Frequency [MHz]	
2.2 MHz	
5 MHz	
10 MHz	
30 MHz	
50 MHz	
100 MHz	

Inductance:

Nominal Inductance	
0.097 µH/ft	

Voltage:

UL Voltage Rating
30 V RMS (UL AWM Style 1354)

Use

Max Recommended Pulling Tension:	76 lbs
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Safety

C(UL) Flammability:	FT1
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Temperature Range

Operating Temp Range:	-40°C To +80°C
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Mechanical Characteristics

Min Bend Radius (Continuous Flexing):	8.1 in
Min Bend Radius/Minor Axis:	4 in

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)
RG Type:	RG Type
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
7504A G7X1000	BLUE, MATTE	Reel	1000 ft

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