



**Part Number:** 7502A

75 Ohm Flex Vision Coax, (1) 22 AWG (19x34) BC, FPE/PVC Blend, TC Braid Shld

## Product Description

One 22 AWG stranded (19x34) 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
22	19x34	BC - Bare Copper	0.031 in	1
Total Number of Conductors:			1	

#### Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.146 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®	0.242 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR		Nominal Outer Shield DCR	
13.4 Ohm/1000ft		6.4 Ohm/1000ft	

Capacitance:

Nom. Capacitance Conductor to Shield	
18 pF/ft	

Impedance:

Nominal Characteristic Impedance	
75 Ohm	

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
2.2 MHz	0.4 db/100ft
5 MHz	0.5 db/100ft
10 MHz	0.8 db/100ft
30 MHz	1.4 db/100ft
50 MHz	1.8 db/100ft
100 MHz	2.7 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	79 %

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:	38 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):	5 in
Min Bend Radius/Minor Axis:	2.5 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
7502A G7X1000	BLUE, MATTE	Reel	1000 ft
7502A G7X250	BLUE, MATTE	Reel	250 ft
7502A G7X500	BLUE, MATTE	Reel	500 ft

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