



Part Number: 7501A

75 Ohm Flex Vision Coax, (1) 25 AWG (19x38) BC, FPE/PVC, TC Braid Shld

Product Description

One 25 AWG stranded (19x38) 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
25	19x38	BC - Bare Copper	0.019 in	1
Total Number of Conductors:			1	

Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.09 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®	0.146 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
35 Ohm/1000ft	9.1 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield
17.7 pF/ft

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
2.2 MHz	0.6 db/100ft
5 MHz	0.9 db/100ft
10 MHz	1.3 db/100ft
30 MHz	2.2 db/100ft
50 MHz	2.9 db/100ft
100 MHz	4.2 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	77 %

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

Flex Cycle Rating:	1 Million
Max Recommended Pulling Tension:	22 lbs

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):	3 in
Min Bend Radius/Minor Axis:	1.5 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)
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
7501A G7X1000	BLUE, MATTE	Reel	1000 ft

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