



Part Number: 7500A

75 Ohm Flex Vision Coax, (1) 30 AWG (7x38) TC, FPE/PVC Blend, TC Braid Shld

Product Description

One 30 AWG stranded (7x38) 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
30	7x38	Tinned Copper Alloy	0.012 in	1
Total Number of Conductors:				1

Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.056 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®	0.11 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
108 Ohm/1000ft	13.3 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield
16.7 pF/ft

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
2.2 MHz	0.9 db/100ft
5 MHz	1.4 db/100ft
10 MHz	2 db/100ft
30 MHz	3.4 db/100ft
50 MHz	4.4 db/100ft
100 MHz	6.4 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

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:	14 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):	2.2 in
Min Bend Radius/Minor Axis:	1.1 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
7500A G7X1000	BLUE, MATTE	Reel	1000 ft
7500A G7X250	BLUE, MATTE	Reel	250 ft

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