



**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
<b>Total Number of Conductors:</b>				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 $\mu$ H/ft

### Voltage:

## UL Voltage Rating

30 V RMS (UL AWM Style 1354)

## Use

Max Recommended Pulling Tension: 76 lbs

## Safety

C(UL) Flammability: FT1

## Temperature Range

Operating Temp Range: -40°C To +80°C

## Mechanical Characteristics

Min Bend Radius (Continuous Flexing): 8.1 in

Min Bend Radius/Minor Axis: 4 in

## Part Number

Plenum (Y/N): No

## 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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