



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

AG.Filter Attributes

Total Number of Conductors:	1
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Technical Specifications

APAC Standard

MII Order #39 (China RoHS):	Yes
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Applicable Patents

Patent:	http://www.belden.com/p
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Bend Radius

Min Bend Radius (Continuous Flexing):	2.2 in
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Min Bend Radius/Minor Axis:	1.1 in
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CCB-Sub-Part Number

Plenum (Y/N):	No
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Contact Information

PHONE_NUM:	1-800-Belden1
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EU Directive

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CSA AWM Specification:	AWM I/II A/B
UL AWM Style:	UL Style 1354

Safety

C(UL) Flammability:	FT1
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Use

Flex Cycle Rating:	1 Million
Max Recommended Pulling Tension:	14 lbs

Impedance:

Nominal Characteristic Impedance

75 Ohm

Inductance:

Nominal Inductance

0.097 μ H/ft

Conductor DCR:

Nominal Conductor DCR

Nominal Outer Shield DCR

108 Ohm/1000ft	13.3 Ohm/1000ft
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Delay:

Nominal Delay

Nominal Velocity of Propagation (VP) [%]

1.3 ns/ft	78 %
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Voltage:

UL Voltage Rating

30 V RMS (UL AWM Style 1354) V

High Freq:

Frequency [MHz]

2.2 MHz

5 MHz

10 MHz

30 MHz

50 MHz

100 MHz

PB HD-SDI Coax Table:

Description	Part No.	UL NEC/C(UL) CEC Type	Standard Lengths	Standard Unit Weight	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD	Shielding Materials Nom. DCR	Nominal OD	Nom. Imp ()	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Attenuation
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Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
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SDI/HDTV	NEC:	Hard Code	7 lbs/1000ft	Hard Code	30	0.056 in	Hard code	TC - Tinned Copper	0.11 in	Hard Code	78 %	Hard Code	2.2 MHz	0.9 dB/100ft	Hard Code
Digital Video				7x38		French Braid		5 MHz					1.4 dB/100ft		
CEC				0.012 in			10 MHz						2 dB/100ft		
				Tinned Copper Alloy			30 MHz						3.4 dB/100ft		
				108 Ohm/1000ft			50 MHz						4.4 dB/100ft		
				Hard Code			13.3 Ohm/1000ft						6.4 dB/100ft		

Capacitance:

Nom. Capacitance Conductor to Shield

16.7 pF/ft

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

Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.056 in

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter
PVC Blend - Polyvinyl Chloride Blend	Belflex®	0.11 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	Tinned Copper Alloy	0.012 in	1

Outershield 1:

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

Product Variants

Part Number	Color	Put-Up Type	Length
7500A			
7500A	BLUE, MATTE	Reel	305 m
7500A G7X1000	BLUE, MATTE	Reel	1000 ft
7500A			
7500A			
7500A			

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