



Part Number: 7732A

Serial Digital Coax, RG11, #14 Solid BC, Foil + 95% TC braid, CMP

Product Description

Low Loss Serial Digital Coax, Plenum-CMP, RG11 14 AWG solid bare copper conductor, foam FEP core, Duofoil, +95% tinned copper braid, fluorocopolymer jacket

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.064 in	1
Total Number of Conductors:			1	

Insulation:

Material	Material Trade Name	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	Teflon®	0.274 in

Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		95 %

Outerjacket 1:

Material	Nominal Diameter
PVDF - Fluorocopolymer	0.348 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
2.5 Ohm/1000ft	1.6 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Other Electrical Characteristic 1:	Impedance tested in accordance with ASTM D-4566 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination.
Other Electrical Characteristic 2:	Return Loss tested in accordance with ASTM D-4566 paragraph 50.3, using a 75 Ohm fixed bridge and termination.
Sweep Testing:	100% Sweep tested 5 MHz to 4.5 GHz.

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Norm. Insertion Loss
1 MHz	0.15 dB/100ft
3.58 MHz	0.26 dB/100ft
5 MHz	0.3 dB/100ft
7 MHz	0.34 dB/100ft
10 MHz	0.4 dB/100ft
67.5 MHz	1.2 dB/100ft
71.5 MHz	1.24 dB/100ft
88.5 MHz	1.4 dB/100ft
100 MHz	1.5 dB/100ft
135 MHz	1.78 dB/100ft
143 MHz	1.84 dB/100ft
180 MHz	2.09 dB/100ft
270 MHz	2.6 dB/100ft
360 MHz	3.1 dB/100ft
540 MHz	3.89 dB/100ft
720 MHz	4.57 dB/100ft
750 MHz	4.68 dB/100ft
1000 MHz	5.5 dB/100ft
1500 MHz	6.91 dB/100ft
2000 MHz	8.13 dB/100ft
2500 MHz	9.2 dB/100ft
3000 MHz	10.2 dB/100ft
4500 MHz	15.4 dB/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83 %

High Freq:

Min. SRL (Structural Return Loss)
23 dB
21 dB

Inductance:

Nominal Inductance
0.091 μ H/ft

Voltage:

UL Voltage Rating
300V RMS V

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	145 lbs

Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Temperature Range

Operating Temp Range:	-20°C To +125°C °C
UL Temp Rating:	150°C °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.5 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	7731A

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMP
RG Type:	11/U
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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Product Variants

Part Number	Color	Put-Up Type	Length
7732A	YELLOW	Reel	1000 ft
7732A	YELLOW	Reel	305 m
7732A 0041000	YELLOW	Reel	1000 ft
7732A	BLUE, LIGHT	Reel	1000 ft
7732A	BLUE, LIGHT	Reel	305 m
7732A 0061000	BLUE, LIGHT	Reel	1000 ft
7732A 0101000	BLACK	Reel	1000 ft
7732A	BLACK	Reel	305 m
7732A			
7732A	BLACK	Reel	1200 ft
7732A 0101200	BLACK	Reel	1200 ft
7732A	BLACK	Reel	500 ft
7732A	BLACK	Reel	152 m
7732A 010500	BLACK	Reel	500 ft
7732A	NATURAL	Reel	1000 ft
7732A	NATURAL	Reel	305 m
7732A 8771000	NATURAL	Reel	1000 ft
7732A	NATURAL	Reel	500 ft
7732A	NATURAL	Reel	152 m
7732A 877500	NATURAL	Reel	500 ft
7732A			

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