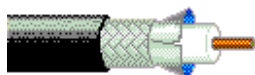


## 7732A Coax - Low Loss Serial Digital Coax



For more Information  
please call

1-800-Belden1

**General Description:**

RG-11/U type, 14 AWG solid .064" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (95% coverage), fluorocopolymer jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BC - Bare Copper	.064

Total Number of Conductors: 1

**Insulation****Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.274

**Outer Shield****Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

**Overall Cable**

Overall Nominal Diameter: 0.348 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +125°C

UL Temperature Rating: 150°C

Bulk Cable Weight: 83 lbs/1000 ft.

Max. Recommended Pulling Tension: 145 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	11/U
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**Flame Test**

UL Flame Test:	NFPA 262
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Aerial:	Yes - When supported by a messenger wire
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Suitability - Burial:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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Non-Plenum Number:	7731A
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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0.091
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.3
------

**Nominal Velocity of Propagation:**

VP (%)
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83
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**Nominal Delay:**

Delay (ns/ft)
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1.22
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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2.5
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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1.6
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	0.15
---	------

3.58	0.26
------	------

5	0.30
---	------

7	0.34
---	------

10	0.40
----	------

67.5	1.20
------	------

71.5	1.24
------	------

88.5	1.40
------	------

100	1.50
-----	------

135	1.78
-----	------

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143	1.84
180	2.09
270	2.60
360	3.10
540	3.89
720	4.57
750	4.68
1000	5.50
1500	6.91
2000	8.13
2500	9.20
3000	10.2

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## 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.

## Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	1600.000	23.000
1600.000	4500.000	21.000

## Sweep Test

## Sweep Testing:

100% Sweep tested 5 MHz to 4.5 GHz.

## Misc. Information (Overall)

## Notes (Overall)

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

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7732A 0041000	1,000 FT	90.000 LB	YELLOW	C	#14 FFEP SH PVDF
7732A 0061000	1,000 FT	90.000 LB	BLUE, LIGHT	C	#14 FFEP SH PVDF
7732A 0101000	1,000 FT	90.000 LB	BLACK	C	#14 FFEP SH PVDF
7732A 0101200	1,200 FT	106.800 LB	BLACK		#14 FFEP SH PVDF
7732A 010500	500 FT	45.000 LB	BLACK	C	#14 FFEP SH PVDF
7732A 8771000	1,000 FT	90.000 LB	NATURAL	C	#14 FFEP SH PVDF
7732A 877500	500 FT	45.000 LB	NATURAL	C	#14 FFEP SH PVDF

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 7    Revision Date: 05-17-2012

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