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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. (mm)
1	14	Solid	BC - Bare Copper	1.6256

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	6.9596

### 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: 8.839 mm

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 150°C

Bulk Cable Weight: 123.521 Kg/Km

Max. Recommended Pulling Tension: 644.989 N

Min. Bend Radius/Minor Axis: 88.900 mm

## 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

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

RG Type: 11/U

**Flame Test**

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
75

**Nom. Inductance:**

<b>Inductance (µH/m)</b>
0.298571

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/m)</b>
53.4803

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
83

**Nominal Delay:**

<b>Delay (ns/m)</b>
4.00282

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
8.2025

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
5.2496

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.492
3.580	0.853
5.000	0.984
7.000	1.116
10.000	1.312
67.500	3.937
71.500	4.068
88.500	4.593
100.000	4.922
135.000	5.840
143.000	6.037
180.000	6.857
270.000	8.531
360.000	10.171
540.000	12.763
720.000	14.994
750.000	15.355
1000.000	18.046
1500.000	22.672
2000.000	26.675
2500.000	30.185
3000.000	33.466
4500.000	50.527

**Max. Operating Voltage - UL:**

<b>Voltage</b>
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.

## 7732A Coax - Low Loss Serial Digital Coax

**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#37; 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.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.