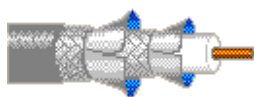


**3094A Coax - ControlBus™ Quad Shielded Coax**



For more Information  
please call  
  
1-800-Belden1



**Description**

14 AWG solid bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (100% coverage), PVC Jacket.

**Suitable Applications (Overall):**

Suitable Applications RG-11/U Type

**Physical Characteristics (Overall):**

**Conductor:**

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BCCS - Bare Copper Covered Steel	0.064

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	0.280

**Outer Shield:**

Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
1	Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling:**

Overall Nominal Diameter: .407 in.

**Mechanical Characteristics (Overall):**

Operating Temperature Range -40°C To +80°C

Bulk Cable Weight: 59 lbs/1000 ft.

Max. Recommended Pulling Tension: 308 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.500 in.

**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

NEC/(UL) Specification CL2R, CMR

CEC/C(UL) Specification CMG

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

RG Type 11/U

**3094A Coax - ControlBus™ Quad Shielded Coax**

**Flame Test:**

UL Flame Test UL1666 Riser

CSA Flame Test FT4

**Plenum/Non-Plenum:**

Plenum (Y/N) N

Plenum Number 3095A

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

Impedance (Ohm)
75 +/- 3

Nom. Inductance

Inductance (μH/ft)
0.097

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
16.200

Nominal Velocity of Propagation

VP (%)
82

Nominal Delay

Delay (ns/ft)
1.200

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
11.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
1.500

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.160
	2.000			0.180
	5.000			0.260
	10.000			0.380
	20.000			0.550
	50.000			0.830
	100.000			1.170
	200.000			1.600
	300.000			1.990
	400.000			2.300

Max. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.330
	2.000			0.350
	5.000			0.440
	10.000			0.660
	20.000			0.780
	50.000			0.990
	100.000			1.320
	200.000			1.870
	300.000			2.290
	400.000			2.640

Max. Operating Voltage - UL

**3094A Coax - ControlBus™ Quad Shielded Coax**

Voltage
600 V RMS

Minimum Structural Return Loss

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5.000	400.000	20.000

**Notes (Overall):**

Notes Sweep tested 5 to 400 MHz. Tap marks every 2.6 Meters to aid users in installation.

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3094A F2V1000	1,000 FT	67.000 LB	GRAY, DEC		#14 GIFHDLDPPE DSH PVC GRYDEC
3094A F2V2000	2,000 FT	136.000 LB	GRAY, DEC	C	#14 GIFHDLDPPE DSH PVC GRYDEC
3094A F2V500	500 FT	34.500 LB	GRAY, DEC		#14 GIFHDLDPPE DSH PVC GRYDEC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

© 2007 Belden, Inc  
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory; and China Ministry of Information Industry order#39 (China RoHS). EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.