Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



3094A Coax - ControlBus™ Quad Shielded Coax

For more Information please call

1-800-Belden1



General Description:

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

Usage (Overall)

Suitable Applications: RG-11/U Type

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.280

Outer Shield

Outer Shield Material:

Layer # Outer Shield Trade Name Type		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 Cable

Overall Nominal Diameter: 0.407 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
Bulk Cable Weight:	59 lbs/1000 ft.
Max. Recommended Pulling Tension:	308 lbs.
Min. Bend Radius/Minor Axis:	4.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2R, CMR		
CEC/C(UL) Specification:	CMG		
EU Directive 2011/65/EU (ROHS II):	Yes		

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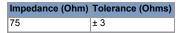
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	EU Directive 2000/53/EC (ELV):	Yes
	EU Directive 2002/95/EC (RoHS):	Yes
	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
	EU Directive 2002/96/EC (WEEE):	Yes
	EU Directive 2003/11/EC (BFR):	Yes
	CA Prop 65 (CJ for Wire & Cable):	Yes
	MII Order #39 (China RoHS):	Yes
	RG Type:	11/U
Fla	me Test	
	UL Flame Test:	UL1666 Riser
	CSA Flame Test:	FT4
Ple	num/Non-Plenum	
	Plenum (Y/N):	No
	Plenum Number:	3095A

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 1.5

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.16
2	.18
5	.26
10	.38
20	.55
50	.83
100	1.17
200	1.60
300	1.99
400	2.30

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Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.33
2	.35
5	.44
10	.66
20	.78
50	.99
100	1.32
200	1.87
300	2.29
400	2.64

Max. Operating Voltage - UL:

Voltage 300 V RMS

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	400	20

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	Color	Notes	Item Desc
3094A F2V1000	1,000 FT	67.000 LB	GRAY, DEC		#14 GIFHDLDPE DSH PVC
3094A F2V2000	2,000 FT	136.000 LB	GRAY, DEC	С	#14 GIFHDLDPE DSH PVC
3094A F2V500	500 FT	34.500 LB	GRAY, DEC		#14 GIFHDLDPE DSH PVC

Notes:

C = CRATE REEL PUT-UP.

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