

For more Information
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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	Conductor Material	Dia. (mm)
1	14	Solid	BCCS - Bare Copper Covered Steel	1.6256

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	7.112

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 Cable

Overall Nominal Diameter: 10.338 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

Bulk Cable Weight: 87.804 Kg/Km

Max. Recommended Pulling Tension: 1370.046 N

Min. Bend Radius/Minor Axis: 114.300 mm

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

3094A Coax - ControlBus™ Quad Shielded Coax

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

Flame Test

UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	3095A

Surface Printing (Overall)

Surface Printing:	CONTROLBUS(R) BY BELDEN - 3094A RG-11 TYPE 75C QUAD SHIELD E108998 1C14 (UL) CL2R OR CMR OR C(UL) CMG
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

Nom. Inductance:

Inductance (µH/m)
0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.1522

Nominal Velocity of Propagation:

VP (%)
82

Nominal Delay:

Delay (ns/m)
3.9372

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
36.091

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
4.9215

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.52496
2	0.59058
5	0.85306
10	1.24678
20	1.80455
50	2.72323
100	3.83877
200	5.2496

METRIC MEASUREMENT VERSION

3094A Coax - ControlBus™ Quad Shielded Coax

300	6.52919
400	7.5463

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.08273
2	1.14835
5	1.44364
10	2.16546
20	2.55918
50	3.24819
100	4.33092
200	6.13547
300	7.51349
400	8.66184

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 GIFHDLDPPE DSH PVC
3094A F2V2000	2,000 FT	136.000 LB	GRAY, DEC	C	#14 GIFHDLDPPE DSH PVC
3094A F2V500	500 FT	34.500 LB	GRAY, DEC		#14 GIFHDLDPPE DSH PVC

Notes:

C = CRATE REEL PUT-UP.

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