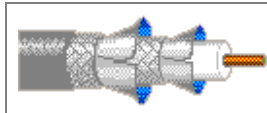


3095A Coax - ControlBus™ Quad Shielded Coax



For more Information
please call

1-800-Belden1



Description

14 AWG solid bare copper-covered steel conductor, foam FEP insulation, Duobond® IV Quad Shield (100% coverage), fluorocopolymer Jacket.

Suitable Applications (Overall):

Suitable Applications Plenum 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.)
FFEP - Foam Fluorinated Ethylene Propylene	0.280

Outer Shield:

Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
1	Bonded 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
PVDF - Fluorocopolymer

Overall Cabling:

Overall Nominal Diameter: .387 in.

Mechanical Characteristics (Overall):

Operating Temperature Range	-20°C To +150°C
Non-UL Temperature Rating	150°C
Bulk Cable Weight:	68 lbs/1000 ft.
Max. Recommended Pulling Tension:	309 lbs.
Min. Bend Radius (Install)/Minor Axis:	4 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004

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RG Type	11/U
Flame Test:	
UL Flame Test	NFPA 262
CSA Flame Test	FT6
Suitability:	
Suitability - Outdoor	Yes
Suitability - Burial	Yes
Plenum/Non-Plenum:	
Plenum (Y/N)	Y
Non-Plenum Number	3094A

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)
16.500

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)
3.900

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.170
	2.000			0.220
	5.000			0.280
	10.000			0.400
	20.000			0.600
	50.000			1.200
	100.000			1.700
	200.000			2.500
	300.000			3.040
	400.000			3.500

Max. Operating Voltage - UL

Voltage
300 V RMS

Other Electrical Characteristic 1 Tilt 5 to 10 MHz: .42 dB/100 M

Other Electrical Characteristic 2 Tilt 10 to 20 MHz: .58 dB/100 M

Minimum Structural Return Loss

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

F/B	%PDD/100M (5MB)	%PDD/100M (10MB)
0.500	-0.600	-1.270
1.000	-0.460	-0.430
1.500	0.000	0.000
2.000	0.170	0.270
2.500	0.300	0.450

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
3095A F2V1000	1,000 FT	76.000 LB	GRAY, DEC	C	#14 FFEP DBSH SLF GRYDEC

Notes:

C = CRATE REEL PUT-UP.

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