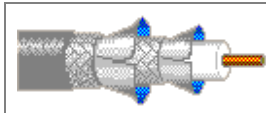


**3132A Coax - ControlBus™ Quad Shielded Coax**



For more Information  
 please call  
 1-800-Belden1



**Description**

18 AWG solid bare copper-covered steel conductor, plenum, foam FEP insulation, Duobond® IV quad shield (100% coverage), fluorocopolymer jacket.

**Suitable Applications (Overall):**

Suitable Applications Plenum RG-6/U Type

**Physical Characteristics (Overall):**

**Conductor:**

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	0.040

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	0.170

**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: .274 in.

**Mechanical Characteristics (Overall):**

Operating Temperature Range	-20°C To +150°C
UL Temperature Rating	150°C
Bulk Cable Weight:	43 lbs/1000 ft.
Max. Recommended Pulling Tension:	104 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.750 in.

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

**Applicable Standards:**

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
IEEE Specification	802.4 MAP, 802.7 Mini-MAP
EU CE Mark (Y/N)	Yes

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EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005
RG Type	6/U
<b>Flame Test:</b>	
UL Flame Test	NFPA 262
CSA Flame Test	FT6
<b>Suitability:</b>	
Suitability - Outdoor	Yes
Suitability - Burial	Yes
<b>Plenum/Non-Plenum:</b>	
Plenum (Y/N)	Y
Non-Plenum Number	3131A

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

<b>Impedance (Ohm)</b>
75 +/- 3

Nom. Inductance

<b>Inductance (µH/ft)</b>
0.093

Nom. Capacitance Conductor to Shield

<b>Capacitance (pF/ft)</b>
16.300

Nominal Velocity of Propagation

<b>VP (%)</b>
82

Nominal Delay

<b>Delay (ns/ft)</b>
1.200

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
28.000

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
7.200

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.360
	2.000			0.380
	5.000			0.500
	10.000			0.650
	20.000			0.950
	50.000			1.500
	100.000			2.120
	200.000			2.990
	300.000			3.660
	400.000			4.230

Max. Operating Voltage - UL

<b>Voltage</b>
300 V RMS

Other Electrical Characteristic 1	Tilt 5 to 10 MHz: .48 dB/100 M
Other Electrical Characteristic 2	Tilt 10 to 20 MHz: .93 dB/100 M

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Other Electrical Characteristic 3

Sweep Tested 5 to 400MHz.

**Minimum Structural Return Loss**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5.000	400.000	23.000

**Phase Delay Distortion**

F/B	%PDD/100M (5MB)	%PDD/100M (10MB)
0.500	-0.540	-1.190
1.000	-0.190	-0.510
1.500	0.000	0.000
2.000	0.160	0.380
2.500	0.300	0.660

**Notes (Overall):**

Notes Tap Marks Every 2.6 Meters to aid in users installation.

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3132A F2V1000	1,000 FT	36.000 LB	GRAY, DEC	C	#18 FFEP DBSH SLF GRYDEC

**Notes:**

C = CRATE REEL PUT-UP.

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