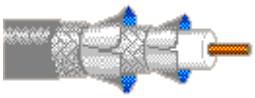
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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

EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005
RG Type	6/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	3131A

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
75 +/- 3

Nom. Inductance

Inductance (µH/ft)
0.093

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
16.300

Nominal Velocity of Propagation

VP (%)
82

Nominal Delay

Delay (ns/ft)
1.200

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
28.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
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

Voltage
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

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.

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