Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



7732LL Coax - Low Loss Serial Digital Coax





For more Information please call

1-800-Belden1



Description:

14 AWG solid .064" bare copper conductor, PTFE tape insulation, Duofoil® shield (100% coverage) plus a tinned copper braid shield (95% coverage), PVDF jacket.

HD, SDI

Usage (Overall)

Suitable Applications:

Physical Characteristics (Overall)

Conductor

AWG:

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

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	ePTFE Tape - expanded Poly Tetrafluoroethylene Tape	0.276

Outer Shield

Outer Shield Material:

Layer	# Outer Shield Trade Name	Туре	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 0.345 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
UL Temperature Rating:	150°C
Bulk Cable Weight:	88.500 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	3.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

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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:	NFPA 262
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	7731A

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



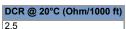
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.077
3.600	0.308
10.000	0.495
71.500	1.250
135.000	1.650
270.000	2.270
360.000	2.650
540.000	3.270
720.000	3.820
750.000	3.880
1000.000	4.540
1500.000	5.650

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2250.000	6.980
3000.000	8.170
4500.000	10.200

Max. Operating Voltage - UL:

Voltag	ge
300 V	RMS

Other Electrical Characteristic 1: Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2

using a 75 Ohm fixed bridge and termination.

Other Electrical Characteristic 2: Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a

75 Ohm fixed bridge and termination.

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	1600.000	23.000
1600.000	4500.000	21.000

Sweep Test

Sweep Testing: 100% Sweep tested 5 MHz to 3 GHz.

Misc. Information (Overall)

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc	
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