Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1695A Coax - Low Loss Serial Digital Coax



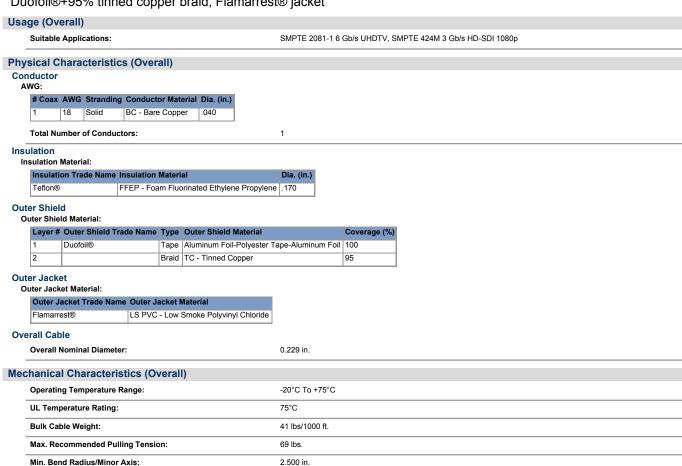
For more Information please call

1-800-Belden1



General Description:

Low Loss Serial Digital Coax, Plenum-CMP, RG6 18 AWG solid bare copper conductor, foam FEP core, Duofoil®+95% tinned copper braid, Flamarrest® jacket



Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CMP			
CEC/C(UL) Specification:	CMP			
EU Directive 2011/65/EU (ROHS II):	Yes			
EU CE Mark:	No			
EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2002/95/EC (RoHS):	Yes			
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005			
EU Directive 2002/96/EC (WEEE):	Yes			
EU Directive 2003/11/EC (BFR):	Yes			
CA Prop 65 (CJ for Wire & Cable):	Yes			

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MII Order #39 (China RoHS):	Yes		
RG Type:	6/U		
Flame Test			
UL Flame Test:	NFPA 262		
CSA Flame Test:	FT6		
Suitability			
Suitability - Indoor:	Yes		
Plenum/Non-Plenum			
Plenum (Y/N):	Yes		
Non-Plenum Number:	1694A		

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/ft) 0.103

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.1

Nominal Velocity of Propagation:

VP (%) 82

Nominal Delay:

Delay (ns/ft) 1.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.8

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.240
3.580	0.450
5.000	0.550
7.000	0.650
10.000	0.750
67.500	1.740
71.500	1.780
88.500	1.940
100.000	2.100
135.000	2.400
143.000	2.500
180.000	2.800
270.000	3.400
360.000	4.000
540.000	5.200
720.000	6.100
750.000	6.200
1000.000	7.400
1500.000	9.500
2000.000	11.300
2250.000	12.200
3000.000	14.600
4500.000	18.600
6000.000	22.400

Max. Operating Voltage - UL:

Voltage 300 V RMS

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Other Electrical Characteristic 1: Impedance: 75 +/- 3 Ohms

Other Electrical Characteristic 2: Return Loss: Fixed bridge and termination.

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	1600.000	23.000
1600.000	4500.000	21.000
4500.000	6000.000	15.000

Sweep Test

Sweep Testing: 100% Sweep tested 5 MHz to 6 GHz

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1695A N3U1000	1,000 FT	44.000 LB	GREEN, MIL	С	#18 FFEP SH FLRST
1695A 0011000	1,000 FT	44.000 LB	BROWN	С	#18 FFEP SH FLRST
1695A 0021000	1,000 FT	44.000 LB	RED	С	#18 FFEP SH FLRST
1695A 0031000	1,000 FT	44.000 LB	ORANGE	С	#18 FFEP SH FLRST
1695A 0041000	1,000 FT	44.000 LB	YELLOW	С	#18 FFEP SH FLRST
1695A 0061000	1,000 FT	44.000 LB	BLUE, LIGHT	С	#18 FFEP SH FLRST
1695A 006500	500 FT	22.000 LB	BLUE, LIGHT		#18 FFEP SH FLRST
1695A 0071000	1,000 FT	44.000 LB	VIOLET	С	#18 FFEP SH FLRST
1695A 0075000	5,000 FT	220.000 LB	VIOLET		#18 FFEP SH FLRST
1695A 0081000	1,000 FT	44.000 LB	GRAY	С	#18 FFEP SH FLRST
1695A 0101000	1,000 FT	44.000 LB	BLACK	С	#18 FFEP SH FLRST
1695A 010500	500 FT	22.000 LB	BLACK	С	#18 FFEP SH FLRST
1695A 0105000	5,000 FT	210.000 LB	BLACK	С	#18 FFEP SH FLRST
1695A 8771000	1,000 FT	44.000 LB	NATURAL	С	#18 FFEP SH FLRST
1695A 877500	500 FT	22.000 LB	NATURAL	Z	#18 FFEP SH FLRST

Notes:

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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