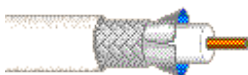


1695A Coax - Low Loss Serial Digital Coax

For more Information
please call

1-800-Belden1

**General Description:**

RG-6/U type, 18 AWG solid .040" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (95% coverage), Flamarrest® jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	4.318

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	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 Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 5.817 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	61.016 Kg/Km
Max. Recommended Pulling Tension:	306.926 N
Min. Bend Radius/Minor Axis:	63.500 mm

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

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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	6/U
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Flame Test

UL Flame Test:	NFPA 262
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CSA Flame Test:	FT6
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Non-Plenum Number:	1694A
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.337943

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

52.8241

Nominal Velocity of Propagation:

VP (%)

82

Nominal Delay:

Delay (ns/m)

4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

9.1868

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
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1.000	0.787
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3.580	1.476
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5.000	1.805
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7.000	2.133
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10.000	2.461
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67.500	5.709
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71.500	5.840
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88.500	6.365
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100.000	6.890
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135.000	7.874
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143.000	8.203
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180.000	9.187
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270.000	11.155
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360.000	13.124
540.000	17.061
720.000	20.014
750.000	20.342
1000.000	23.951
1500.000	30.185
2000.000	35.763
2250.000	38.060
3000.000	44.950
4500.000	65.292

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D 4566 - 05 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination.

Other Electrical Characteristic 2:

Return Loss tested in accordance with ASTM D 4566 - 05 paragraph 50.3, using a 75 Ohm 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

Sweep Test

Sweep Testing:

100% Sweep tested 5 MHz to 4.5 GHz.

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1695A N3U1000	305 MT	18.144 KG	GREEN, MIL	C	#18 FFEP SH FLRST
1695A 0011000	305 MT	19.958 KG	BROWN	C	#18 FFEP SH FLRST
1695A 0021000	305 MT	18.144 KG	RED	C	#18 FFEP SH FLRST
1695A 0031000	305 MT	18.144 KG	ORANGE	C	#18 FFEP SH FLRST
1695A 0041000	305 MT	18.144 KG	YELLOW	C	#18 FFEP SH FLRST
1695A 0061000	305 MT	18.144 KG	BLUE, LIGHT	C	#18 FFEP SH FLRST
1695A 0071000	305 MT	18.144 KG	VIOLET	C	#18 FFEP SH FLRST
1695A 0081000	305 MT	18.144 KG	GRAY	C	#18 FFEP SH FLRST
1695A 0101000	305 MT	18.144 KG	BLACK	C	#18 FFEP SH FLRST
1695A 010500	152 MT	9.072 KG	BLACK	C	#18 FFEP SH FLRST
1695A 0105000	1,524 MT	86.183 KG	BLACK	C	#18 FFEP SH FLRST
1695A 8771000	305 MT	18.144 KG	NATURAL	C	#18 FFEP SH FLRST
1695A 877500	152 MT	8.391 KG	NATURAL	Z	#18 FFEP SH FLRST

Notes:

C = CRATE REEL PUT-UP.

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

Revision Number: 8 Revision Date: 07-29-2013

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