

## 1694WB Coax - Flooded RG-6/U Type Precision Low-Loss Serial Digital Video Coax



For more Information  
please call

1-800-Belden1

**Description:**

18 AWG solid .040" bare copper conductor, gas-injected foamed high-density polyethylene insulation, Duofoil® plus tinned copper braid shield (95% coverage), flooding compound, PE jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BC - Bare Copper	.040

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foamed High-Density Polyethylene	0.180

**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 Shield Flooding Grease: Yes

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PE - Polyethylene

**Overall Cable**

Overall Nominal Diameter: 0.274 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +80°C

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 69 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.750 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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): 01/01/2004

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
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RG Type:	6/U
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Series Type:	Series 6
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**Suitability**

Suitability - Outdoor:	Yes
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Suitability - Burial:	Yes
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Sunlight Resistance:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Surface Printing (Overall)****Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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0.106
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.2
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**Nominal Velocity of Propagation:**

VP (%)
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82
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**Nominal Delay:**

Delay (ns/ft)
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1.24
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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6.4
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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2.8
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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1.000	0.240
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3.580	0.440
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5.000	0.520
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6.000	0.570
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7.000	0.610
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10.000	0.710
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12.000	0.780
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25.000	1.080
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67.500	1.650
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71.500	1.690
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88.500	1.860
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100.000	1.950
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135.000	2.240
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143.000	2.300
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180.000	2.570
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270.000	3.170
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360.000	3.690
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540.000	4.600
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**1694WB Coax - Flooded RG-6/U Type Precision Low-Loss Serial Digital Video Coax**

720.000	5.380
750.000	5.500
1000.000	6.420
1500.000	7.990
2000.000	9.370
2250.000	10.010
3000.000	11.780
4500.000	14.920

**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. 75 +/- 1.5 Ohms

**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 Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5	1600	23
1600	4500	21

**Sweep Test****Sweep Testing:**

100% Sweep tested 5 MHz to 4.5 GHz.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1694WB 0061000	1,000 FT	40.000 LB	BLUE, LIGHT		#18 PE/GIFHDPE SH PE
1694WB 0062500	2,500 FT	95.000 LB	BLUE, LIGHT	C	#18 PE/GIFHDPE SH PE
1694WB 0065000	5,000 FT	190.000 LB	BLUE, LIGHT	C	#18 PE/GIFHDPE SH PE
1694WB 0101000	1,000 FT	40.000 LB	BLACK		#18 PE/GIFHDPE SH PE
1694WB 0102500	2,500 FT	97.500 LB	BLACK	C	#18 PE/GIFHDPE SH PE
1694WB 0105000	5,000 FT	190.000 LB	BLACK	C	#18 PE/GIFHDPE SH PE

**Notes:**

C = CRATE REEL PUT-UP.

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