Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



7710A Coax - RG-6/U Type

For more Information please call

1-800-Belden1



General Description:

RG-6/U type, 18 AWG solid .040" bare copper conductors, gas-injected foam HDPE insulation, Duofoil® +

tinned copper braid shield (95% coverage), overall PVC jacket. Usage (Overall) Suitable Applications: Video Mult. **Physical Characteristics (Overall)** Conductor AWG: # Coax AWG Stranding Conductor Material Dia. (in.) BC - Bare Copper **Total Number of Conductors:** 3 Insulation Insulation Material: **Insulation Material** Gas-injected FHDPE - Foam High Density Polyethylene .180 Inner Shield Material: Layer # Inner Shield Trade Name Type Inner Shield Material Coverage (%) Tape Aluminum Foil-Polyester Tape-Aluminum Foil 100 Braid TC - Tinned Copper **Inner Jacket** Inner Jacket Material: Inner Jacket Material Nom. Dia. (in.)



Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue

Outer Jacket

Outer Jacket Material:

PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.746 in.

Mechanical Characterist	ics (Overall)	
Operating Temperature Ra	ange:	-40°C To +75°C
UL Temperature Rating:		60°C
Non-UL Temperature Ratio	ng:	75°C
Bulk Cable Weight:		243 lbs/1000 ft.
Max. Recommended Pullin	ng Tension:	207 lbs.
Min. Bend Radius/Minor A	xis:	8 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable	Standarde 8	Environmen	atal D	roarame	

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 1354 (each coax); UL Style 2688 (overall)

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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): 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	
MII Order #39 (China RoHS):	Yes	
RG Type:	6/U	
ame Test		
UL Flame Test:	UL1666 Vertical Shaft	
uitability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
enum/Non-Plenum		
Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



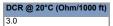
Nominal Delay:



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.240
3.580	0.440
5.000	0.520
7.000	0.610
10.000	0.710
67.500	1.650
71.500	1.690
88.500	1.860
100.000	1.950
135.000	2.240
143.000	2.300
180.000	2.570
270.000	3.170
360.000	3.690
540.000	4.600
720.000	5.380
750.000	5.500
1000.000	6.420
1500.000	7.990
2000.000	9.370

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2250.000	10.010
3000.000	11.780
4500.000	14.700

Max. Operating Voltage - UL:

Voltage 300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 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 paragraph 50.3, 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:

Sweep tested 5 MHz to 4.5 GHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7710A B591000	1,000 FT	268.000 LB	BLACK, MATTE	С	3 #18 PE SH PVC FRTPE
7710A B59500	500 FT	140.500 LB	BLACK, MATTE	С	3 #18 PE SH PVC FRTPE

C = CRATE REEL PUT-UP.

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