Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7713A 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.

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Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
10	18	Solid	BC - Bare Copper	1.016

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	4.572

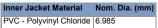
Inner Shield

Inner Shield Material:

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

Inner Jacket

Inner Jacket Material:



Inner Jacket Color Code Chart:

Number	Color
1	White
2	Black
3	Brown
4	Red
5	Orange
6	Yellow
7	Green
8	Blue
9	Purple
10	Gray

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 35.204 mm

Mechanical Characteristics (Overall) Operating Temperature Range: -40°C To +75°C UL Temperature Rating: 60°C Non-UL Temperature Rating: 75°C Bulk Cable Weight: 1169.725 Kg/Km Max. Recommended Pulling Tension: 3069.260 N Min. Bend Radius/Minor Axis: 355.600 mm

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oplicable Specifications and Agency Complipation of the policable Standards & Environmental Programs	iance (Overall)
NEC/(UL) Specification:	CMR
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CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 1354 (each coax); UL Style 2688 (overall)
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
CSA Flame Test:	FT4
uitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
lenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:

Delay (ns/m) 4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 20.9984

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km) 9.843

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.787
3.580	1.444
5.000	1.706
7.000	2.001
10.000	2.330
67.500	5.414
71.500	5.545
88.500	6.103
100.000	6.398
135.000	7.349
143.000	7.546
180.000	8.432

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270.000	10.401
360.000	12.107
540.000	15.093
720.000	17.652
750.000	18.046
1000.000	21.064
1500.000	26.215
2000.000	30.743
2250.000	32.843
3000.000	38.650
4500.000	48.231

Max. Operating Voltage - UL:

Voltage 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

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:

Sweep tested 5 MHz to 4.5 GHz

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7713A B591000	1,000 FT	904.000 LB	BLACK, MATTE	С	10 #18 PE SH PVC FRTPE

Notes: C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 05-01-2013

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