

## 1151A Coax - CATV Cable

For more Information  
please call

1-800-Belden1

**General Description:**

Series 59, 20 AWG solid .032" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage) + TC braid shield (55% and 50% coverage), FEP jacket.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BCCS - Bare Copper Covered Steel	.032

Total Number of Conductors: 1

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

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.140

**Outer Shield****Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	55.000
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
4		Braid	TC - Tinned Copper	50.000

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

Outer Jacket Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

**Overall Cable**

Overall Nominal Diameter: 0.236 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-70°C To +200°C
Non-UL Temperature Rating:	200°C
Bulk Cable Weight:	37 lbs/1000 ft.
Max. Recommended Pulling Tension:	84 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

**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
MII Order #39 (China RoHS):	Yes
RG Type:	59/U
Series Type:	Series 59

**Flame Test**

CSA Flame Test:	FT6
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
75

**Nom. Inductance:**

Inductance (μH/ft)
.093

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
16.5

**Nominal Velocity of Propagation:**

VP (%)
84

**Nominal Delay:**

Delay (ns/ft)
1.21

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
26.0

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
2.3

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.4
10	.8
50	1.8
100	2.6
200	3.8
400	5.6
700	7.6
900	8.8
1000	9.4

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
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		5	400	20
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**Notes (Overall)**

**Notes:** Sweep tested 5 MHz to 400 MHz. 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
1151A A8R1000	1,000 FT	40.000 LB	BEIGE, SNOW	C	#20 RG59/U COAX

**Notes:**

C = CRATE REEL PUT-UP.

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