


**Detailed Specifications &  
Technical Data**



**551945 Coax - New Generation®**

	<p><b>For more information please call</b> <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
---	--

**Description:**

Bare copper conductor, foam polyethylene insulation, bare copper braid shield. PVC jacket. Sequential footage marking every two feet.

**SUITABLE APPLICATIONS:**

Suitable Applications	Analog Video/CCTV Coax.
-----------------------	-------------------------

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
RG Type	59/U
Series Type	Series 59
AWG	22
Stranding	7x30
Conductor Diameter	.030 in.
Conductor Material	BC - Bare Copper

**INSULATION:**

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.140 in.

**OUTER SHIELD:**

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	93 %

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.232 in.
--------------------------	----------

**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	75°C
Bulk Cable Weight	28 lbs/1000 ft.

**Detailed Specifications & Technical Data**



**551945 Coax - New Generation®**

Max. Recommended Pulling Tension	49 lbs.
Min. Bend Radius (Install)	2.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
NEC Articles	800
CEC/C(UL) Specification	CM

**FLAME TEST:**

UL Flame Test	UL1581 Vertical Tray
C(UL) Flame Test	FT1

**SUITABILITY:**

Suitability - Indoor	Yes
Suitability - Outdoor	Yes

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
--------------	---

**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.09 µH/ft
Nom. Capacitance Conductor to Shield	17.3 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.30 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	15.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	2.6 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.3
	10			.9
	50			2.1
	100			3.0
	200			4.5
	400			6.6
	700			8.9
	900			10.1
	1000			10.9

Max. Operating Voltage - UL	300 V RMS
-----------------------------	-----------

**PUT-UPS AND COLORS:**

**Detailed Specifications &  
Technical Data**



**551945 Coax - New Generation®**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
551945 0101000	RG-59/U COAX	1000	32	BLACK	
551945 010U1000	RG-59/U COAX	U1000	33	BLACK	

Revision Number: 1      Revision Date: 01-29-2004

© 2003 Belden Wire & Cable Company  
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.