


**Detailed Specifications &
Technical Data**



533945 Coax - New Generation®

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

CONDUCTOR:

Number of Coax	1
RG Type	6/U
Series Type	Series 6
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.180 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	95 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.266 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	75°C
Bulk Cable Weight	36 lbs/1000 ft.

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Max. Recommended Pulling Tension	69 lbs.
Min. Bend Radius (Install)	2.75 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 - White
Suitability - Outdoor	Yes - Black
Suitability - Aerial	Yes - Black

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	16.3 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.21 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.4 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	5 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.24
	10			.72
	50			1.5
	100			2.0
	200			2.9
	400			4.2
	700			5.6
	900			6.4
	1000			7.0

Max. Operating Voltage - UL	300 V RMS
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
533945 0091000	RG-6/U COAX	1000	42	WHITE	C
533945 009U1000	RG-6/U COAX	U1000	41	WHITE	
533945 0101000	RG-6/U COAX	1000	41	BLACK	C
533945 010500	RG-6/U COAX	500	22.5	BLACK	C
533945 010U1000	RG-6/U COAX	U1000	41	BLACK	

C = CRATE REEL PUT-UP.

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