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1-800-Belden1



## Description:

20 AWG solid bare copper conductor, foam polyethylene insulation, bare copper braid shield, PVC jacket, sequential footage marking every two feet.

## Usage (Overall)

**Suitable Applications:** Analog Video/CCTV Coax.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

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

### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.145

### Outer Shield

**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95.000

### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

**Overall Nominal Diameter:** 0.232 in.

## Mechanical Characteristics (Overall)

**Operating Temperature Range:** -30°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 29 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 57 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** CMG

**NEC Articles:** 800

**CEC/C(UL) Specification:** CMG

**EU CE Mark:** Yes

**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:	59/U
Series Type:	Series 59

### Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only.
Suitability - Aerial:	Yes - Black only.

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
75

### Nom. Inductance:

Inductance (µH/ft)
.097

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.3

### Nominal Velocity of Propagation:

VP (%)
83

### Nominal Delay:

Delay (ns/ft)
1.21

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.0

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.300

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.30
5	.65
10	.90
50	1.90
100	2.60
200	3.60
400	5.00
700	7.00
900	8.00

1000	8.50
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**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
5.000	0.750
50.000	2.150

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
543945 009U1000	1,000 FT	31.000 LB	WHITE		RG-59/U COAX
543945 009U500	500 FT	16.000 LB	WHITE		RG-59/U COAX
543945 0091000	1,000 FT	33.000 LB	WHITE	C	RG-59/U COAX
543945 009500	500 FT	16.000 LB	WHITE		RG-59/U COAX
543945 010U1000	1,000 FT	31.000 LB	BLACK		RG-59/U COAX
543945 010U500	500 FT	16.000 LB	BLACK		RG-59/U COAX
543945 0101000	1,000 FT	33.000 LB	BLACK	C	RG-59/U COAX
543945 010500	500 FT	16.000 LB	BLACK	C	RG-59/U COAX

**Notes:**

C = CRATE REEL PUT-UP.

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