

## 551945 Coax - Surveillance and CCTV Applications

For more Information  
please call

1-800-Belden1

**Description:**

22 AWG bare copper conductor, foam polyethylene insulation, bare copper braid shield, 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	22	7x30	BC - Bare Copper	.030

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.140

**Outer Shield**

Outer Shield Material:

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

**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:	-40°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	28 lbs/1000 ft.
Max. Recommended Pulling Tension:	49 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes

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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	59/U
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Series Type:	Series 59
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**Flame Test**

UL Flame Test:	UL1685 UL Loading
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C(UL) Flame Test:	FT1
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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.09
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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17.3
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**Nominal Velocity of Propagation:**

VP (%)
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78
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**Nominal Delay:**

Delay (ns/ft)
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1.30
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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15.0
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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2.6
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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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:**

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**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
551945 0101000	1,000 FT	30.000 LB	BLACK		RG-59/U COAX

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