Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

9167 Coax - Headend/Video Cable

For more Information
please call

1-800-Belden1

General Description:

20 AWG solid .032" silver-plated, copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond Plus® + aluminum braid shield (95% coverage), PVC jacket (available in 13 colors).

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	SPCCS - Silver Plated Copper Covered Steel	.032

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	0.145

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	95
3		Tape	Bonded Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.242 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	27 lbs/1000 ft.
Max. Recommended Pulling Tension:	140 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CATVR, CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
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
Series Type:	Series 59

Flame Test

UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

Nom. Inductance:

Inductance (µH/ft)
0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.2

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/ft)
1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
25.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.5

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	0.89
55	1.95
211	3.59
270	4.05
300	4.27
350	4.64
400	4.88
450	5.30
550	5.90
750	6.96
870	7.54
1000	8.09

Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	1000	20

Sweep Test

Sweep Testing: 5 MHz to 1 GHz

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9167 G751000	1,000 FT	26.000 LB	AQUA		#20 GIFHDLDPE SH FS PVC
9167 0011000	1,000 FT	26.000 LB	BROWN		#20 GIFHDLDPE SH FS PVC
9167 0021000	1,000 FT	26.000 LB	RED		#20 GIFHDLDPE SH FS PVC
9167 0031000	1,000 FT	26.000 LB	ORANGE		#20 GIFHDLDPE SH FS PVC
9167 0041000	1,000 FT	26.000 LB	YELLOW		#20 GIFHDLDPE SH FS PVC
9167 0051000	1,000 FT	26.000 LB	GREEN, DARK		#20 GIFHDLDPE SH FS PVC
9167 0061000	1,000 FT	26.000 LB	BLUE, LIGHT		#20 GIFHDLDPE SH FS PVC
9167 0071000	1,000 FT	26.000 LB	VIOLET		#20 GIFHDLDPE SH FS PVC
9167 0081000	1,000 FT	26.000 LB	GRAY		#20 GIFHDLDPE SH FS PVC
9167 0091000	1,000 FT	26.000 LB	WHITE		#20 GIFHDLDPE SH FS PVC
9167 0101000	1,000 FT	26.000 LB	BLACK		#20 GIFHDLDPE SH FS PVC
9167 0121000	1,000 FT	26.000 LB	PINK		#20 GIFHDLDPE SH FS PVC
9167 2901000	1,000 FT	26.000 LB	BEIGE, LIGHT	C	#20 GIFHDLDPE SH FS PVC

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 12-15-2010