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## 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. (mm)
1	20	Solid	SPCCS - Silver Plated Copper Covered Steel	0.8128

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	3.683

### 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: 6.147 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	40.181 Kg/Km
Max. Recommended Pulling Tension:	622.748 N
Min. Bend Radius/Minor Axis:	63.500 mm

## 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/m)
0.318257

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
53.1522

**Nominal Velocity of Propagation:**

VP (%)
83

**Nominal Delay:**

Delay (ns/m)
3.9372

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
84.6498

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
14.7645

**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
5	2.92009
55	6.39795
211	11.7788
270	13.2881
300	14.0099
350	15.2238
400	16.0113
450	17.3893
550	19.3579
750	22.8358
870	24.7387
1000	26.5433

**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 GIFHDLDPPE SH FS PVC
9167 0011000	1,000 FT	26.000 LB	BROWN		#20 GIFHDLDPPE SH FS PVC
9167 0021000	1,000 FT	26.000 LB	RED		#20 GIFHDLDPPE SH FS PVC
9167 0031000	1,000 FT	26.000 LB	ORANGE		#20 GIFHDLDPPE SH FS PVC
9167 0041000	1,000 FT	26.000 LB	YELLOW		#20 GIFHDLDPPE SH FS PVC
9167 0051000	1,000 FT	26.000 LB	GREEN, DARK		#20 GIFHDLDPPE SH FS PVC
9167 0061000	1,000 FT	26.000 LB	BLUE, LIGHT		#20 GIFHDLDPPE SH FS PVC
9167 0071000	1,000 FT	26.000 LB	VIOLET		#20 GIFHDLDPPE SH FS PVC
9167 0081000	1,000 FT	26.000 LB	GRAY		#20 GIFHDLDPPE SH FS PVC
9167 0091000	1,000 FT	26.000 LB	WHITE		#20 GIFHDLDPPE SH FS PVC

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

### 9167 Coax - Headend/Video Cable

9167 0101000	1,000 FT	26.000 LB	BLACK		#20 GIFHDLDPPE SH FS PVC
9167 0121000	1,000 FT	26.000 LB	PINK		#20 GIFHDLDPPE SH FS PVC
9167 2901000	1,000 FT	26.000 LB	BEIGE, LIGHT	C	#20 GIFHDLDPPE SH FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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