

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 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

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.

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

© 2016 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Belden Wire & Cable:

[9167 2901000](#) [9167 G751000](#) [9167 0081000](#) [9167 0011000](#) [9167 0071000](#) [9167 0091000](#) [9167 0021000](#) [9167 0061000](#) [9167 0101000](#) [9167 0041000](#) [9167 0121000](#) [9167 0051000](#) [9167 0031000](#)