

8268

Part Number: 8268



Product Description

13 AWG stranded (7x21) .089" silver-plated copper conductor, polyethylene insulation, double silver-plated copper braid shield (95% coverage), non-contaminating PVC jacket.

Product Specifications

Conductor

Total Number of Conductors:

1

Technical Specifications

APAC Standard

Mil Order #39 (China RoHS):

Yes

Bend Radius

Min Bend Radius/Minor Axis:

6 in

CCB-Part Number

Notes:

Non-SWR swept version of RG-214.

CCB-Sub-Part Number

Plenum (Y/N):

No

Contact Information

PHONE_NUM:

1-800-Belden1

EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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Environmental Characteristics

Operating Temp Range:	-40°C To +80°C
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EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMX
Military Specification:	MIL-C-17, M17/075
NEC/(UL) Specification:	CMX
RG Type:	214/U
UL AWM Style:	UL Style 1354

Safety

UL Flammability:	VW-1
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Temperature Range

UL Temp Rating:	60°C
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Use

Max Recommended Pulling Tension:	225 lbs
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Impedance:

Nominal Characteristic Impedance
50 Ohm

Inductance:

Nominal Inductance
0.077 μ H/ft

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
1.7 Ohm/1000ft	0.7 Ohm/1000ft

Power Rating:

Frequency [MHz]	Max. Power Rating [W]
50 MHz	1,500 W
100 MHz	907 W
200 MHz	549 W
400 MHz	332 W
700 MHz	221 W
900 MHz	184 W
1,000 MHz	171 W
4,000 MHz	62 W

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP)
1.54 ns/ft	66 %

Voltage:

Non-UL Voltage Rating	UL Description	UL Voltage Rating
3700V RMS (MIL-Spec.)	UL AWM Style 1354	30V RMS
	NEC	300V RMS

Capacitance:

Nominal Capacitance Conductor to Shield
30.8 pF/ft

High Frequency (Nominal/Typical):

Frequency (MHz)	Nom. Insertion Loss
1 MHz	0.17 db/100ft
10 MHz	0.55 db/100ft
50 MHz	1.3 db/100ft
100 MHz	1.9 db/100ft

200 MHz	2.7 db/100ft
400 MHz	4.1 db/100ft
700 MHz	6.5 db/100ft
900 MHz	7.6 db/100ft
1000 MHz	8 db/100ft
4000 MHz	20 db/100ft

Insulation:

Material	Nominal Diameter
PE - Polyethylene	0.285 in

Outerjacket 1:

Material	Nominal Diameter
PVCNC - Polyvinyl Chloride Non-Contaminating	0.425 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
13	7x21	SPC - Silver Plated Copper	0.089 in	1

Outershield 1:

Type	Layer	Material	Coverage
Braid	1	SPC - Silver Plated Copper	95 %
Braid	2	SPC - Silver Plated Copper	95 %

Product Variants

Part Number	Color	Put-Up Type	Length
8268 0101000	BLACK	Reel	1000 ft
8268 010500	BLACK	Reel	500 ft

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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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.