



8268 Coax - 50 Ohm Coax

For more Information
please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	13	7x21	SPC - Silver Plated Copper	2.2606

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	7.239

Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	SPC - Silver Plated Copper	95.000
2	Braid	SPC - Silver Plated Copper	95.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cable

Overall Nominal Diameter: 10.795 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	194.954 Kg/Km
Max. Recommended Pulling Tension:	1000.845 N
Min. Bend Radius/Minor Axis:	152.400 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Military Specification:	MIL-C-17, M17/075
RG Type:	214/U

Flame Test

UL Flame Test:	VW-1
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Plenum/Non-Plenum

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

Impedance (Ohm)

50

Nom. Inductance:

Inductance (μH/m)

0.252637

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

101.055

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/m)

5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

5.5777

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

2.2967

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1	0.55777
10	1.80455
50	4.2653
100	6.2339
200	8.8587
400	13.4521
700	21.3265
900	24.9356
1000	26.248
4000	65.62

Max. Power Rating:

Freq. (MHz) Rating (W)

50	1500
100	907
200	549

METRIC MEASUREMENT VERSION

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400	332
700	221
900	184
1000	171
4000	62

Max. Operating Voltage - UL:

Voltage	Description
30 V RMS	UL AWM Style 1354
300 V RMS	NEC

Max. Operating Voltage - Non-UL:

Voltage
3700 V RMS (MIL-Spec.)

Notes (Overall)

Notes: Non-SWR swept version of RG-214.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8268 0101000	1,000 FT	140.000 LB	BLACK	C	#13 PE DBLB PVC
8268 010500	500 FT	70.500 LB	BLACK	C	#13 PE DBLB PVC

Notes:

C = CRATE REEL PUT-UP.

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