Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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. (in.)
1	13	7x21	SPC - Silver Plated Copper	.089

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.285

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: 0.425 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	131 lbs/1000 ft.
Max. Recommended Pulling Tension:	225 lbs.
Min. Bend Radius/Minor Axis:	6 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CMX
CMX
UL Style 1354 (30 V 60°C)
Yes
No
Yes

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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
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-C-17, M17/075
RG Type:	214/U
Flame Test	
UL Flame Test:	VW-1
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



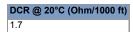
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 0.7

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.17
10	.55
50	1.3
100	1.9
200	2.7
400	4.1
700	6.5
900	7.6
1000	8.0
4000	20.0

Max. Power Rating:

Freq. (MHz)	Rating (W)
50	1500
100	907
200	549

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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	С	M17/164-00001 COAX
8268 010500	500 FT	70.500 LB	BLACK	С	M17/164-00001 COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 10-02-2012

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