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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: 1

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

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

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

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/ft)
.077

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
30.8

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/ft)
1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.7

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
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:

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8268 Coax - 50 Ohm Coax

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8268 0101000	1,000 FT	140.000 LB	BLACK	C	M17/164-00001 COAX
8268 010500	500 FT	70.500 LB	BLACK	C	M17/164-00001 COAX

Notes:

C = CRATE REEL PUT-UP.

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