

**9251**

Part Number: 9251



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## Product Description

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (95% coverage), non-contaminating PVC jacket.

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## Product Specifications

### Conductor

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Total Number of Conductors:

1

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## Technical Specifications

### APAC Standard

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MIl Order #39 (China RoHS):

Yes

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### Bend Radius

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Min Bend Radius/Minor Axis:

4 in

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### CCB-Sub-Part Number

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Plenum (Y/N):

No

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### Contact Information

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PHONE\_NUM:

1-800-Belden1

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### EMEA Standard

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EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

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### Environmental Characteristics

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

EU CE Mark:	Yes
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-17D
NEC/(UL) Specification:	CMX
RG Type:	8/U
UL AWM Style:	UL Style 1354 (30 V 60°C)

## Safety

UL Flammability:	VW-1
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## Temperature Range

UL Temp Rating:	60°C (UL AWM Style 1354)
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## Use

Max Recommended Pulling Tension:	190 lbs
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### Impedance:

#### Nominal Characteristic Impedance

52 Ohm
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### Inductance:

#### Nominal Inductance

0.079 $\mu$ H/ft
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### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
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1.9 Ohm/1000ft	1.2 Ohm/1000ft
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**Delay:**

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

**Voltage:**

Non-UL Voltage Rating	UL Voltage Rating
3700V RMS	150V RMS
	30V RMS (UL AWM Style 1354)

**Capacitance:**

Nominal Capacitance Conductor to Shield
28.5 pF/ft

**High Frequency (Nominal/Typical):**

Frequency (MHz)	Nom. Insertion Loss
1 MHz	0.2 db/100ft
10 MHz	0.6 db/100ft
50 MHz	1.3 db/100ft
100 MHz	1.9 db/100ft
200 MHz	2.8 db/100ft
400 MHz	4.2 db/100ft
700 MHz	5.9 db/100ft
900 MHz	6.9 db/100ft
1000 MHz	7.4 db/100ft
4000 MHz	23.2 db/100ft

**Insulation:**

Material	Nominal Wall Thickness
PE - Polyethylene	0.285 in

**Outerjacket 1:**

Material	Nominal Diameter
PVCNC - Polyvinyl Chloride Non-Contaminating	0.405 in

**Conductor:**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
13	7x21	BC - Bare Copper	0.085 in	1

**Outershield 1:**

Type	Material	Coverage
Braid	BC - Bare Copper	95 %

**Product Variants**

Part Number	Color	Put-Up Type	Length
9251 0101000	BLACK	Reel	1000 ft
9251 010500	BLACK	Reel	500 ft

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