

**8214**

Part Number: 8214



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## Product Description

RG-8/U type, 11 AWG stranded (7x19) .108" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), 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

### Bend Radius

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Min Bend Radius/Minor Axis:

4 in

### CCB-Sub-Part Number

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Plenum (Y/N):

No

### Contact Information

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PHONE\_NUM:

1-800-Belden1

### EMEA Standard

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EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

### Environmental Characteristics

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Operating Temp Range:	-40°C To +80°C
Suitability - Indoor:	Yes

## EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-13

## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CM
NEC/(UL) Specification:	CM
RG Type:	8/U
UL AWM Style:	UL Style 1354 (30 V 80°C)

## Temperature Range

UL Temp Rating:	80°C (UL AWM Style 1354)
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## Use

Suitability - Aerial:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	230 lbs

## Impedance:

### Nominal Characteristic Impedance

50 Ohm

## Inductance:

### Nominal Inductance

0.065  $\mu$ H/ft

## Conductor DCR:

### Nominal Conductor DCR

1.2 Ohm/1000ft

### Nominal Outer Shield DCR

1.1 Ohm/1000ft

## Delay:

Nominal Delay	Nominal Velocity of Propagation (VP)
1.3 ns/ft	78 %

**Voltage:**

Non-UL Voltage Rating	UL Voltage Rating
300V RMS	300V RMS
	30V RMS (UL AWM Style 1354)

**Capacitance:**

Nominal Capacitance Conductor to Shield
26 pF/ft

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

Frequency (MHz)	Nom. Insertion Loss
1 MHz	0.1 db/100ft
10 MHz	0.5 db/100ft
50 MHz	1.2 db/100ft
100 MHz	1.7 db/100ft
200 MHz	2.6 db/100ft
400 MHz	3.9 db/100ft
700 MHz	5.6 db/100ft
900 MHz	6.5 db/100ft
1000 MHz	7 db/100ft
4000 MHz	21.5 db/100ft

**Insulation:**

Material	Nominal Diameter
FPE - Foam Polyethylene	0.285 in

**Outerjacket 1:**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.403 in

**Conductor:**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
11	7X19	BC - Bare Copper	0.108 in	1

#### Outershield 1:

Type	Material	Coverage
Braid	BC - Bare Copper	95 %

## Product Variants

Part Number	Color	Put-Up Type	Length
8214 0101000	BLACK	Reel	1000 ft
8214 010100	BLACK	Reel	100 ft
8214 010500	BLACK	Reel	500 ft

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