

8237

Part Number: 8237



Product Description

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

Product Specifications

Conductor

Total Number of Conductors:

1

Technical Specifications

APAC Standard

MIl Order #39 (China RoHS):

Yes

Bend Radius

Min Bend Radius/Minor Axis:

4.25 in

CCB-Sub-Part Number

Plenum (Y/N):

No

Contact Information

PHONE_NUM:

1-800-Belden1

EMEA Standard

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

Environmental Characteristics

Operating Temp Range:	-40°C To +75°C
Suitability - Indoor:	Yes

EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMH
Military Specification:	JAN-C-17A
NEC/(UL) Specification:	CMH
RG Type:	8/U

Safety

CSA Flammability:	FT1
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Temperature Range

UL Temp Rating:	75°C
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Use

Max Recommended Pulling Tension:	190 lbs
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Impedance:

Nominal Characteristic Impedance

52 Ohm

Inductance:

Nominal Inductance

0.079 μ H/ft

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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Power Rating:

Frequency [MHz]	Nominal Power Rating [W]
50 MHz	1,200 W
100 MHz	800 W
400 MHz	320 W
1,000 MHz	180 W

Delay:

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

Voltage:

Non-UL Voltage Rating
3700V RMS

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 Diameter
PE - Polyethylene	0.285 in

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.403 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
8237 0101000	BLACK	Reel	1000 ft
8237 010100	BLACK	Reel	100 ft
8237 010500	BLACK	Reel	500 ft

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