



**Part Number: 8267**

50 Ohm, RG213, 13 AWG Stranded BC, BC Braid, Non-contaminating PVC Jacket, Commercial Non-QPL Product

**Product Description**

RG-213/U, 13 AWG stranded (7x21) .089" bare copper conductor, polyethylene insulation, bare copper braid shield (96% coverage), non-contaminating PVC jacket, commercial non-QPL product

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor (Not Riser or Plenum)
----------------------	------------------------------

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
13	Stranded	BC - Bare Copper	0.089 in	1

Conductor Count:	1
Conductor Size:	13 AWG

**Insulation**

Material	Nominal Diameter
PE - Polyethylene	0.285 in

**Outer Shield Material**

Type	Material	Coverage [%]
Braid	BC - Bare Copper	96 %

**Outer Jacket Material**

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

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
1.7 Ohm/1000ft	1.2 Ohm/1000ft	1.2 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Shield
30.8 pF/ft

**Inductance**

Nominal Inductance
0.077 $\mu$ H/ft

**Impedance**

Nominal Characteristic Impedance
50 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.27 dB/100ft
10 MHz	0.55 dB/100ft
50 MHz	1.3 dB/100ft
100 MHz	1.9 dB/100ft
200 MHz	2.7 dB/100ft
400 MHz	4.1 dB/100ft
700 MHz	6.5 dB/100ft
900 MHz	7.6 dB/100ft
1000 MHz	8.0 dB/100ft
4000 MHz	21.5 dB/100ft

#### Delay

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

#### Power Rating

Frequency [MHz]	Max. Power Rating [W]
1 MHz	7,950 W
10 MHz	2,761 W
50 MHz	1,122 W
100 MHz	748 W
200 MHz	494 W
400 MHz	326 W
700 MHz	235 W
900 MHz	205 W
1,000 MHz	194 W
4,000 MHz	110 W

#### Voltage

Non-UL Voltage Rating	UL Description	UL Voltage Rating
3700 V RMS (MIL-Spec)	UL AWM Style 1354	30 V RMS (UL AWM style 1354)
	NEC	300 V RMS

#### Temperature Range

UL Temp Rating:	60°C (UL AWM Style 1354)
Operating Temp Range:	-40°C To +60°C

#### Mechanical Characteristics

UV Resistance:	Yes - Black only
Bulk Cable Weight:	104 lbs/1000ft
Max Recommended Pulling Tension:	184 lbs
Min Bend Radius/Minor Axis:	5 in

#### Standards

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
UL AWM Style:	UL Style 1354 (30 V 60°C)
CPR Euroclass:	Eca
RG Type:	213/U Type
Military Specification:	Commercial, non-QPL product (M17/163-00001)
QPL (Qualified Parts List):	No

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

### Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	30 V RMS (UL AWM style 1354)

### Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

### Part Number

#### Variants

Item #	Color	Footnote
8267 0101000	Black	C
8267 010500	Black	C

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.