

## 20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket

RG213HV part number from Pasternack is a coax cable that is flexible. Fairview Microwave's flexible coax RF cable has an impedance of 50 Ohm and PE dielectric. Our RG213HV coax cable is constructed with a 0.394-inch jacket made of red polyurethane. Our coax cable from Pasternack has a maximum frequency of 1000 MHz. This red colored coax cable has a 0.317-inch shield layer of tinned copper braid. Additional specifications for this RG213HV single-shielded RF coaxial cable are on our download-able PDF datasheet above. Our RG213HV coax cable has a maximum operating temperature of 70 degrees C. This 20kV red-colored flexible RF cable with a 50 Ohm impedance has a typical insertion loss/maximum attenuation of 0.09 dB/ft at a frequency of 1000 MHz. The RG213HV flexible RF cable has a stranded copper center conductor with bare conductor plating.

RG213 high-voltage RF cable is specifically designed for radio frequency applications that require handling high levels of voltage. With a rated voltage of 20kV, this cable ensures safe and efficient transmission of high-voltage RF signals. It is commonly used in industrial applications where reliable RF signal distribution is essential. The RG213 cable is built with durable insulation materials and conductors to minimize signal loss and maintain excellent performance. Adhering to safety guidelines and proper installation practices are essential when working with this cable to maintain electrical safety and preserve signal integrity.

Fairview Microwave RG213HV coax cables are part of over 40,000 RF, microwave, and millimeter wave components. These flexible RF cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using RG213HV other coax can be built and shipped the same business day as well.



### Configuration:

- 1 Shield(s)

### Features:

- Voltage rating up to 20kV
- Low Signal Attenuation
- Robust Insulation
- Flexible and Durable

### Applications:

- Semiconductor Testing
- Radar Systems
- Broadcast Stations
- Research and Development
- Military and Defense

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Operating Voltage (DC)			20,000	Vdc
Test Voltage (Conductor/Braid)		41		kVoc/1min
Test Voltage (Spark Test, Core)		15		kVac
Test Voltage (Spark Test, Jacket)		5		kVac
Test Voltage (Type Test)		32		kVoc

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	400	1,000		MHz
Attenuation, Typ	1.2	2.3	4.8	9		dB/100ft
	3.94	7.55	15.75	29.53		dB/100m

### Mechanical Specifications

Diameter	0.394 in [10.01 mm]
Weight	0.097 lbs/ft [0.14 kg/m]
Min. Bend Radius (Repeated)	1.969 in [50.01 mm]

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**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper, Bare, 7 Strands 7	0.089 in [2.26 mm]
Conductor Type	Stranded	
Dielectric	PE	0.286 in [7.26 mm]
First Shield	Tinned Copper Braid	0.317 in [8.05 mm]
Jacket	Polyurethane, Red	0.394 in [10.01 mm]

**Environmental Specifications**

**Temperature**

Operating Range -30 to +70 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

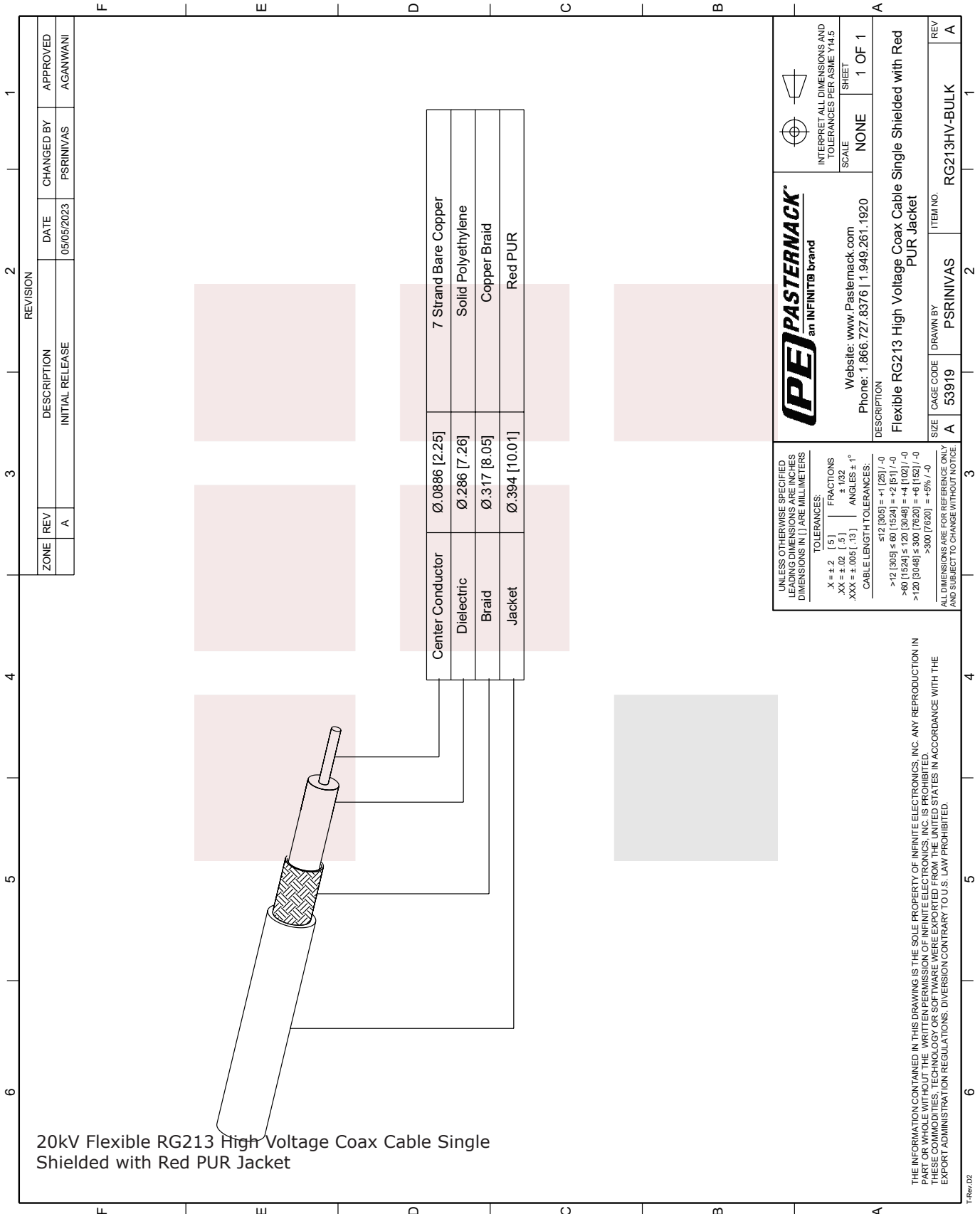
- 1) All tests performed in accordance with MIL-DTL-17 (current issue).
- 2) All materials are RoHS and REACH compliant.

20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket RG213HV-BULK](#)

URL: <https://www.fairviewmicrowave.com/rg213-flexible-coax-cable-polyurethane-jacket-rg213hv-bulk-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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**(PE) PASTERNAK<sup>®</sup>**  
an INFINIT<sup>®</sup> brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE: NONE SHEET: 1 OF 1

DESCRIPTION:  
Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X = ±.2 [ .5 ] FRACTIONS  
 .XX = ±.02 [ .5 ] ±.132 ANGLES ± 1°  
 .XXX = ±.005 [ .13 ] ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 ≤12 [305] = ±1 [25] / -0  
 >12 [305] ≤ 60 [1524] = +2 [51] / -0  
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0  
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

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