

## Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket



### RG217/U-BULK

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Features

- Copper Braid Shielding
- PVC Jacket
- Solid Copper Center Conductor
- Rated to 1 GHz

#### Applications

- General Purpose
- Test and Measurement
- High Power Applications
- Custom Cable Assemblies

#### Description

RG217/U-BULK part number from Pasternack is a RG217 coax cable that is flexible. Pasternack RG217 flexible coax cable is 50 Ohm and has a PE dielectric. Our RG217 coax is constructed with a 0.545 jacket made of PVC. RG217 coax has a shield count of 2 and the maximum frequency for this Pasternack cable is 1 GHz. RG217 coax cable has an attenuation at 1 GHz of 5.8 dB and a maximum power of 260 watts at 1 GHz.

Pasternack RG217 coax cables are part of over 40,000 RF, microwave and millimeter wave components. RG217 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using RG217 or other coax can be built and shipped same day as well.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			5,200	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]
Power@ 1GHz			260	Watts

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	10	100	1,000			MHz
Attenuation, Typ	0.45	1.54	6.37			dB/100ft
	1.48	5.05	20.9			dB/100m
Input Power (CW), Max	6,000	1,200	260			Watts

#### Mechanical Specifications

Diameter	0.545 in [13.84 mm]
Weight	0.205 lbs/ft [0.31 kg/m]

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#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.106 in [2.69 mm]
Conductor Type	Solid	
Dielectric	PE	0.37 in [9.4 mm]
First Shield	Copper Braid	
Second Shield	Copper Braid	0.417 in [10.59 mm]
Jacket	PVC, Black	0.545 in [13.84 mm]

#### Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

#### Compliance Certifications

(see [product page](#) for current document)

#### Plotted and Other Data

Notes:

Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket RG217/U-BULK](#)

URL: <https://www.pasternack.com/flexible-0.545-rg217-50-ohm-coax-cable-pvc-jacket-rg217-u-bulk-p.aspx>

The information contained within 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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# RG217/U-BULK CAD Drawing

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