

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket



RG59B/U

Configuration

- Flexible Cable
- 1 Shield(s)

Features

- Construction: Smaller conductor, solid dielectric, single braid shield, and PVC jacket.
- Impedance 75 Ohm.
- Flexibility Thinner and more flexible

Applications

- CCTV systems
- Composite video / analog video signals
- Low-power RF transmission
- Timing signals
- Some broadcast or instrumentation uses

Description

RG59B/U part number from Pasternack is a RG59 coax cable that is flexible. Pasternack RG59 flexible coax cable is 75 Ohm and has a PE dielectric. Our RG59 coax is construction with a 0.242 jacket made of PVC (NC). RG59 coax has a shield count of 1 and the maximum frequency for this Pasternack cable is 1 GHz. RG59 coax cable has an attenuation at 1 GHz of 39.5dB and a maximum power of 77 watts at 1 GHz.

Pasternack RG59 coax cables are part of over 40,000 RF, microwave and millimeter wave components. RG59 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using RG59 or other coax can be built and shipping same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		75.3		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			2,300	Vrms
Nominal Capacitance		20.4 [66.93]		pF/ft [pF/m]
Power@ 1GHz			77	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	10	50	200	400	900	MHz
Attenuation, Max	1.09	2.4	4.9	7.01	11.12	dB/100ft dB/100m
	3.58	7.87	16.08	23	36.48	

Description	F6	F7	F8	F9	F10	Units
Frequency	1,000					MHz

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Description	F6	F7	F8	F9	F10	Units
Attenuation, Max	12.04					dB/100ft
	39.5					dB/100m

Mechanical Specifications

Diameter	0.242 in [6.15 mm]
Weight	0.036 lbs/ft [0.05 kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.022 in [0.56 mm]
Conductor Type	Solid	
Dielectric	PE	0.146 in [3.71 mm]
First Shield	Copper Braid	0.165 in [4.19 mm]
Jacket	PVC (NC), Black	0.242 in [6.15 mm]

Environmental Specifications

Temperature Operating Range	-25 to +70 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) 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.

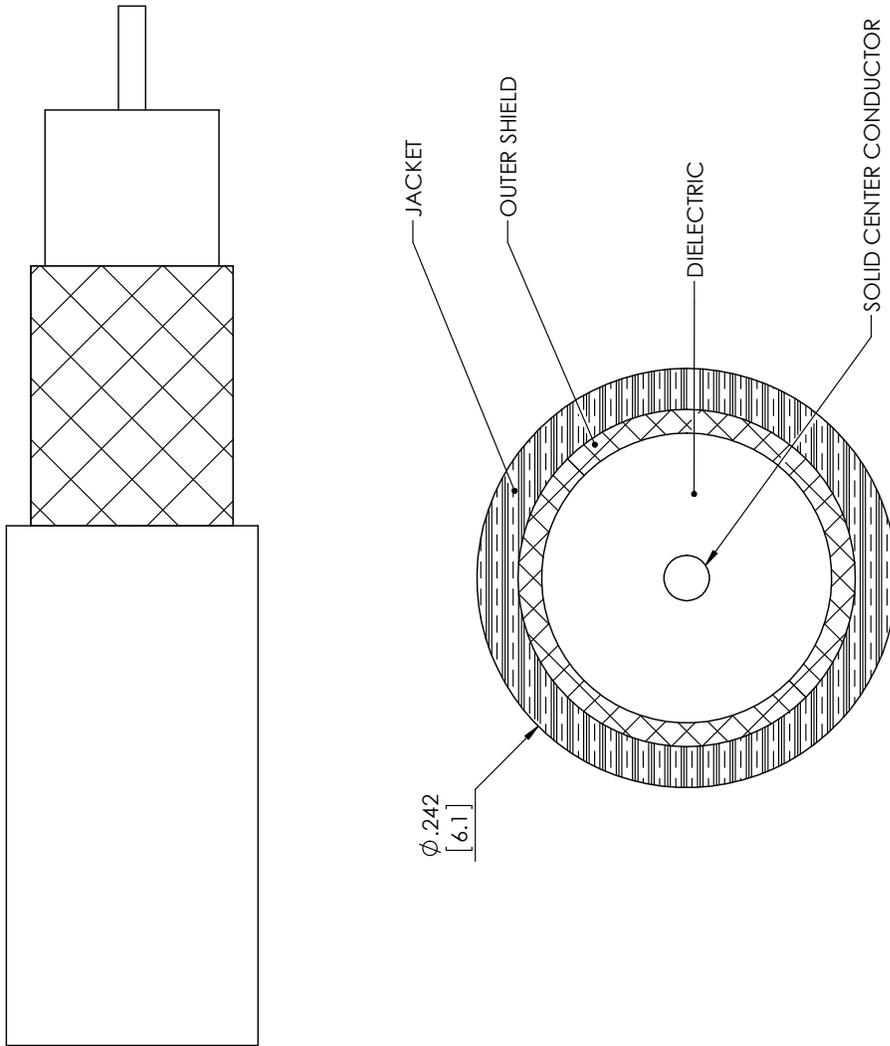
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

URL: <https://www.pasternack.com/flexible-0.242-rg59-75-ohm-coax-cable-pvc-jacket-rg59b-u-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.

RG59B/U CAD Drawing

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

RG59B/U

NOTES:
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. DIMENSIONS ARE IN INCHES (mm).

CAGE CODE 53919

CAD FILE 11/28/17

SCALE N/A

SIZE A

CN2245