

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



RG59B/U-BULK

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-BULK 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 |
|-----------------------------|------------------|

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-BULK](#)

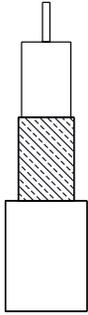
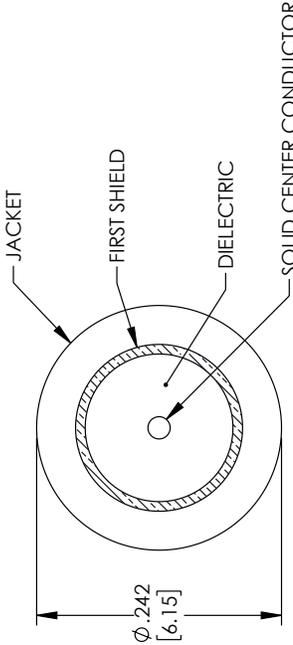
URL: <https://www.pasternack.com/flexible-0.242-rg59-75-ohm-coax-cable-pvc-jacket-rg59b-u-bulk-p.aspx>

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.

RG59B/U-BULK CAD Drawing

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

| REVISIONS | | |
|-----------|-----------------|----------------------|
| REV. | DESCRIPTION | DATE |
| A | INITIAL RELEASE | 03/11/2022 |
| | | APPROVED AGANWANI |

| | | |
|---|--|--|
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>X = ±.2 [5.08] FRACTIONS ± 1/32</p> <p>.XX = ±.02 [.51] ANGLES ± 1°</p> <p>.XXX = ±.005 [.13]</p> <p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = ±1.0% / -0</p> <p>12 [305] < L ≤ 60 [1524] = ±2.6% / -0</p> <p>60 [1524] < L ≤ 120 [3048] = ±4.1% / -0</p> <p>120 [3048] < L ≤ 300 [7620] = ±6.1% / -0</p> <p>300 [7620] < L = ±5% / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | <p>PE PASTERNAK an INFINITE brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p> | <p>THIRD-ANGLE PROJECTION</p>  <p>THE INFORMATION AND DIMENSIONS ON THIS DRAWING ARE THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> |
| <p>SIZE A</p> | <p>CAGE CODE 53919</p> <p>DRAWN BY DZINN</p> | <p>ITEM NO. RC59BU-BULK</p> <p>REV. A</p> |

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