



Flexible RG174 Coax Cable Single  
Shielded with Black PVC Jacket

## RF Cables Technical Data Sheet

**RG174A/U-BULK**

### Times Microwave Systems Coax Cable Specification Configuration

- Flexible Cable
- 1 Shield(s)

### Electrical Specifications

| Description             | Minimum | Typical        | Maximum | Units        |
|-------------------------|---------|----------------|---------|--------------|
| Frequency Range         | DC      |                | 1,000   | MHz          |
| Impedance               |         | 50             |         | Ohms         |
| Velocity of Propagation |         | 66             |         | %            |
| Nominal Capacitance     |         | 31.08 [101.97] |         | pF/ft [pF/m] |

### Performance by Frequency Band

| Description      | F1    | F2    | F3     | F4 | F5 | Units    |
|------------------|-------|-------|--------|----|----|----------|
| Frequency        | 100   | 400   | 1,000  |    |    | MHz      |
| Attenuation, Typ | 8.4   | 19    | 32     |    |    | dB/100ft |
|                  | 27.56 | 62.34 | 104.99 |    |    | dB/100m  |

### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.11 in [2.79 mm]        |
| Weight   | 0.009 lbs/ft [0.01 kg/m] |

### Construction Specifications

| Description     | Material and Plating         | Diameter           |
|-----------------|------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, 7 Strands | 0.019 in [0.48 mm] |
| Conductor Type  | Stranded                     |                    |
| Dielectric      | PE                           | 0.06 in [1.52 mm]  |
| First Shield    | Tinned Copper Braid          | 0.078 in [1.98 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U-BULK](#)



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|        |            |                   |
|--------|------------|-------------------|
| Jacket | PVC, Black | 0.11 in [2.79 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 RG174 Coax Cable Single 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 RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U-BULK](#)

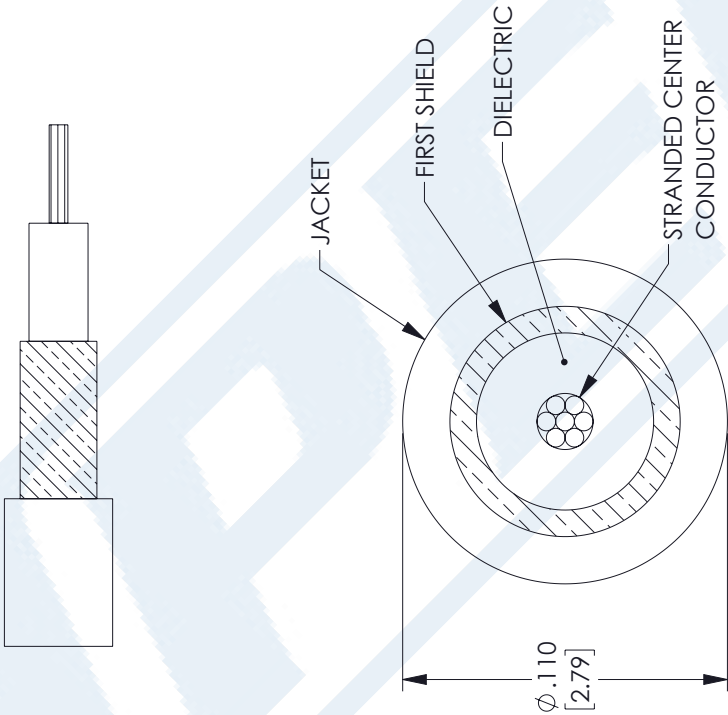
URL: <https://www.pasternack.com/flexible-0.100-rg174-50-ohm-coax-cable-pvc-jacket-rg174a-u-bulk-p.aspx>

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

# RG174A/U-BULK CAD Drawing

Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 03/07/2022 | AGANWANI |



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

TOLERANCES:

|               |       |             |
|---------------|-------|-------------|
| .X = ± .2     | [.08] | FRACTIONS   |
| .XX = ± .02   | [.51] | ± 1/32      |
| .XXX = ± .005 | [.13] | ANGLES ± 1° |

CABLE LENGTH (L) TOLERANCES:

|                             |                 |
|-----------------------------|-----------------|
| L ≤ 12 [305]                | ± .1 [25] / -0  |
| 12 [305] < L ≤ 60 [1524]    | ± .2 [51] / -0  |
| 60 [1524] < L ≤ 120 [3048]  | ± .4 [102] / -0 |
| 120 [3048] < L ≤ 300 [7620] | ± .6 [152] / -0 |
| 300 [7620] < L              | ± .5% L / -0    |

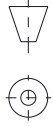
ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.



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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](http://www.pasternack.com)  
E-mail: [sales@pasternack.com](mailto:sales@pasternack.com)

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A

CAGE CODE 53919

DRAWN BY DZINN

ITEM NO. RG174A/U-BULK

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