



## 75 Ohm Flexible Invalid Alias Coax Cable Double Shielded with Green PVC Jacket

### TECHNICAL DATA SHEET

PE-B159-GR

#### Configuration

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PVC, Green

#### Electrical Specifications

Impedance, Ohms	75
Velocity of Propagation, %	83
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	16.5 [54.13]
Maximum Operating Voltage, Volts	300

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	7.5 [24.61]

##### Frequency 2

Frequency, MHz	750
Attenuation, dB/100ft [dB/100m]	9.59 [31.46]

##### Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	10.5 [34.45]

##### Frequency 4

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	15.1 [49.54]

##### Frequency 5

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	18.5 [60.7]

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-30 to +75
------------------------	------------

##### Inner Conductor

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.023 [0.58]

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 Invalid Alias Coax Cable Double Shielded with Green PVC Jacket PE-B159-GR](#)

## 75 Ohm Flexible Invalid Alias Coax Cable Double Shielded with Green PVC Jacket

### TECHNICAL DATA SHEET

PE-B159-GR

**Dielectric:**

Type	PE (F)
Diameter, in [mm]	0.102 [2.59]

**Shield:**

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid

**Jacket:**

Material	PVC
Diameter, in [mm]	0.159 [4.04]
Color	Green
One Time Minimum Bend Radius, in [mm]	1.5 [38.1]
Weight, lbs/ft [Kg/m]	0.018 [0.03]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	
REACH Compliant	12/19/2011

**Plotted and Other Data**

## Notes:

- Values at +25 °C, sea level
- Aluminum Tape Coverage 100%
- Tinned Copper Braid Coverage 95%
- RF Shielding: >90 dB

75 Ohm Flexible Invalid Alias Coax Cable Double Shielded with Green PVC Jacket from Pasternack Enterprises 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 (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible Invalid Alias Coax Cable Double Shielded with Green PVC Jacket PE-B159-GR](#)

URL: <http://www.pasternack.com/flexible-0.159-mini-159-75-ohm-coax-cable-pvc-jacket-pe-b159-gr-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.

# PE-B159-GR CAD Drawing

75 Ohm Flexible Invalid Alias Coax Cable Double Shielded with Green PVC Jacket

## Part Number Designator

PE-B159-ZZ  
REPLACE ZZ WITH  
JACKET COLOR

BK BLACK

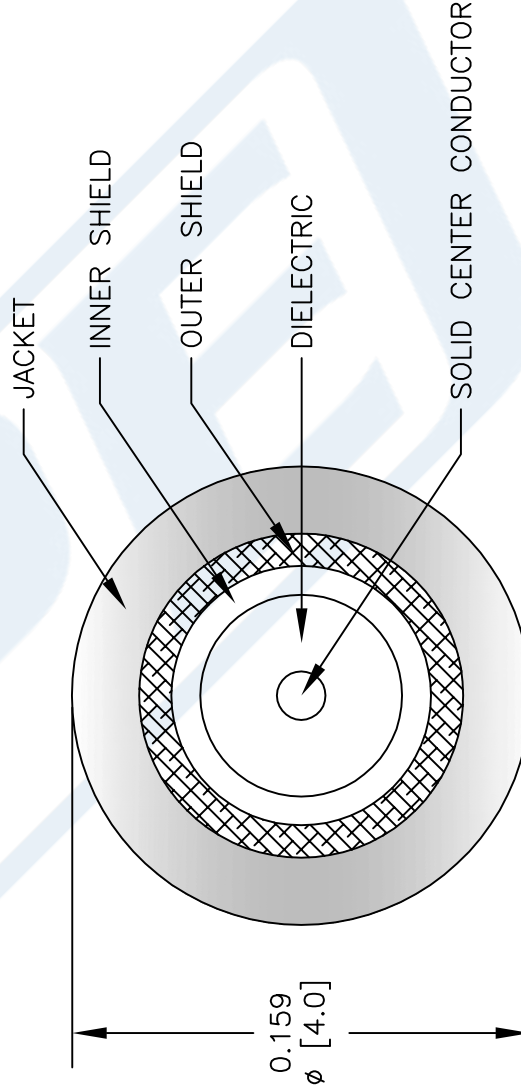
BL BLUE

GR GREEN

RD RED

WH WHITE

YW YELLOW



DWG TITLE

**PE-B159-ZZ**

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

FSCM NO. 53919

SCALE N/A

SIZE A

127



Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)