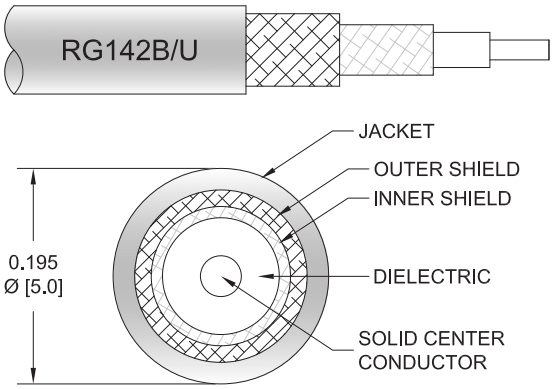
BNC Female to Trimmed Lead Cable Using RG142 Coax

PE3C10165

Configuration

- Connector 1: BNC Female
- Connector 2: Trimmed Lead
- Cable Type: RG142
- Coax Flex Type: Flexible



Features

- Shielding Effectivity > 70 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C10165 50 ohm BNC female to trimmed lead cable using RG142 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 70 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
RF Shielding	70			dB
Capacitance		96.45 [316.44]		pF/ft [pF/m]
DC Resistance Inner Conductor		65 [213.25]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		9 [29.53]		Ohms/1000ft [Ohms/Km]

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.082 lbs [37.19 g]

Cable

Cable Type	RG142
Impedance	50 Ohms

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Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.98 in [24.89 mm]
Repeated Minimum Bend Radius	1.97 in [50.04 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Female	Trimmed Lead
Impedance	50 Ohms	0 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **PE3C10165 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C10165 — Base Number

Example: PE3C10165-12 = 12 inches long cable
PE3C10165-100cm = 100 cm long cable

BNC Female to Trimmed Lead Cable Using RG142 Coax 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: BNC Female to Trimmed Lead Cable Using RG142 Coax PE3C10165

URL: https://www.pasternack.com/bnc-female-to-trimmed-lead-cable-using-rg142-pe3c10165-p.aspx

PE3C10165 CAD Drawing

BNC Female to Trimmed Lead Cable Using RG142 Coax