



## 75 Ohm BNC Male to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm RG216 Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

PE33403LF-48

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG216

#### Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33403LF-48 75 ohm BNC male to 75 ohm BNC male 48 inch cable using 75 ohm RG216 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. This Pasternack BNC to BNC cable assembly has a male to male gender configuration with 75 ohm flexible RG216 coax. The PE33403LF-48 BNC male to BNC male cable assembly operates to 1 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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
Frequency Range	DC		1,000	MHz
Velocity of Propagation		66		%
Capacitance		20.7 [67.91]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm RG216 Coax, RoHS PE33403LF-48](#)



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#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.254	0.288	0.333	0.409	0.56	dB

#### Mechanical Specifications

##### Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.57 in [14.48 mm]
Weight	0.607 lbs [275.33 g]

##### Cable

Cable Type	RG216
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Copper Braid
Shield Layer 2	Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.425 in [10.8 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30μ in. minimum	30μ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	100μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	100μ in. minimum

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

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**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

#### How to Order

Part Number Configuration:

**PE33403LF - xx uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE33403LF-12 = 12 inches long cable  
PE33403LF-100cm = 100 cm long cable

75 Ohm BNC Male to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm RG216 Coax, RoHS 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 BNC Male to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm RG216 Coax, RoHS PE33403LF-48](#)

URL: <https://www.pasternack.com/bnc-male-bnc-male-rg216u-cable-assembly-pe33403lf-48-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.

PE33403LF-48 CAD Drawing

75 Ohm BNC Male to 75 Ohm BNC Male Cable 48 Inch  
Length Using 75 Ohm RG216 Coax, RoHS

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/12/19	J.GARCIA



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
.XX±.01 [.25]	±.132
.XXX±.005 [.13]	±.132
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

<b>PE PASTERNAK</b> an INFINITI brand	
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SIZE	A
CAGE	53919
DRAWN BY	K.DANG
PART NUMBER	PE33403LF
REV	A

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SHEET	1 OF 1
SCALE	N/A

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