



75 Ohm BNC Male to 75 Ohm BNC Male Cable 24 Inch Length Using 75 Ohm RG216 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE33403LF-24

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-24 75 ohm BNC male to 75 ohm BNC male 24 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-24 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 24 Inch Length Using 75 Ohm RG216 Coax, RoHS PE33403LF-24](#)



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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.) | 0.227 | 0.244 | 0.267 | 0.304 | 0.38 | dB |

Mechanical Specifications

Cable Assembly

| | |
|----------|----------------------|
| Length* | 24 in [609.6 mm] |
| Diameter | 0.57 in [14.48 mm] |
| Weight | 0.338 lbs [153.31 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 ± 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 24 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 24 Inch Length Using 75 Ohm RG216 Coax, RoHS PE33403LF-24](#)

URL: <https://www.pasternack.com/bnc-male-bnc-male-rg216u-cable-assembly-pe33403lf-24-p.aspx>

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PE33403LF-24 CAD Drawing

75 Ohm BNC Male to 75 Ohm BNC Male Cable 24 Inch
Length Using 75 Ohm RG216 Coax, RoHS

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



| | | |
|--|---|---|
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| | | <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> |
| <p>SIZE A</p> <p>CAGE 53919</p> <p>DRAWN BY K.DANG</p> | <p>PART NUMBER PE33403LF</p> | <p>REV A</p> |

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