

75 Ohm BNC Male to 75 Ohm N Male Low Loss Cable Using 75 Ohm LMR-400-75 Coax with Times Microwave Components

PE3C10262

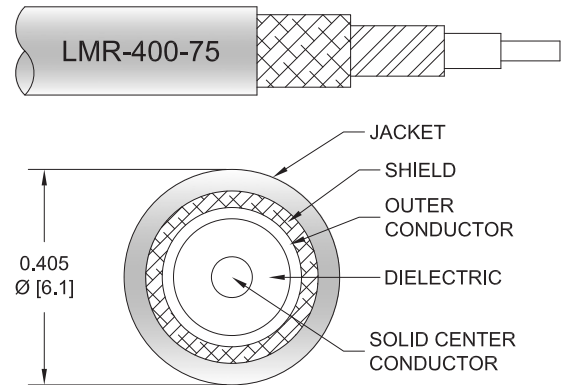


Configuration

- Connector 1: BNC Male
- Connector 2: N Male
- Cable Type: LMR-400-75
- Coax Flex Type: Flexible

Features

- Max Frequency 2 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C10262 75 ohm BNC male to 75 ohm type N male cable using 75 ohm LMR-400-75 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 type N cable assembly has a male to male gender configuration with 75 ohm flexible LMR-400-75 coax. The PE3C10262 BNC male to type N male cable assembly operates to 2 GHz.

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		2	GHz
VSWR			1.4:1	
Velocity of Propagation		85		%
RF Shielding	90			dB
Capacitance		15.9 [52.17]		pF/ft [pF/m]
Inductance		0.09 [0.3]		uH/ft [uH/m]
DC Resistance Inner Conductor		2.5 [8.2]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	2000	MHz	
PE3C10262	Custom Lengths Available	Insertion Loss (Typ.)	0.008	0.013	0.019	0.027	0.057	dB/ft	
			0.03	0.05	0.07	0.09	0.19	dB/m	
PE3C10262-12	12 Inch	Insertion Loss (Typ.)	0.14	0.15	0.17	0.2	0.3	dB	0.158
PE3C10262-24	24 Inch	Insertion Loss (Typ.)	0.14	0.16	0.19	0.23	0.36	dB	0.229
PE3C10262-36	36 Inch	Insertion Loss (Typ.)	0.15	0.18	0.21	0.26	0.42	dB	0.299
PE3C10262-48	48 Inch	Insertion Loss (Typ.)	0.16	0.19	0.23	0.28	0.47	dB	0.369
PE3C10262-60	60 Inch	Insertion Loss (Typ.)	0.17	0.2	0.25	0.31	0.53	dB	0.439

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB
 Loss due to Connector 2: 0.1*SQRT(FGHz) dB
 Base Weight: 0.158 pounds
 Additional Weight per Inch: 0.00584 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
 Weight 0.158 lbs [71.67 g]

Cable

Cable Type LMR-400-75
 Impedance 75 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Beryllium Copper
 Dielectric Type PE (F)
 Outer Conductor 1 Material and Plating Aluminum Tape
 Outer Conductor Diameter 0.291 in [7.39 mm]
 Jacket Material PE, Black
 Jacket Diameter 0.405 in [10.29 mm]
 One Time Minimum Bend Radius 1 in [25.4 mm]
 Repeated Minimum Bend Radius 4 in [101.6 mm]
 Bending Moment 0.5 lbs-ft [0.68 N-m]
 Flat Plate Crush 40 lbs/in [0.71 Kg/mm]
 Tensile Strength 160 lbs [72.57 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Male	N Male
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Mating Cycles	500	
Contact Material and Plating	Brass, Gold over Nickel over Copper	Brass, Gold
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	80 µin minimum	80 µin minimum
Coupling Nut Material and Plating		Brass, Tri-Metal
Coupling Nut Plating Specification		80 µin minimum

Environmental Specifications

Operating Range Temperature -40 to +85 deg C

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

Plotted and Other Data

Notes:

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PE3C10262

Typical Performance Data

How to Order

Part Number Configuration:

PE3C10262

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Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3C10262-12 = 12 inches long cable
PE3C10262-100cm = 100 cm long cable

75 Ohm BNC Male to 75 Ohm N Male Low Loss Cable Using 75 Ohm LMR-400-75 Coax with Times Microwave Components 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 N Male Low Loss Cable Using 75 Ohm LMR-400-75 Coax with Times Microwave Components PE3C10262](https://www.pasternack.com/75-ohm-bnc-male-to-75-ohm-n-male-low-loss-cable-using-lmr-400-75-pe3c10262-p.aspx)

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PE3C10262 CAD Drawing
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