

75 Ohm BNC Male to 75 Ohm BNC Male Cable
 48 Inch Length Using 75 Ohm RG59 Coax



RF Cable Assemblies Technical Data Sheet

PE33188-48

Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG59

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		20.6 [67.59]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.27	0.34	0.41	0.51	0.66	dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.571 in [14.5 mm]
Weight	0.198 lbs [89.81 g]

Cable

Cable Type	RG59
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1

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 RG59 Coax PE33188-48](#)



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Shield Layer 1
 Jacket Material
 Jacket Diameter

Copper Braid
 PVC (NC), Black
 0.242 in [6.15 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	30 μ in. minimum	30 μ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in. minimum	100 μ in. minimum

Mechanical Specification Notes:

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

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

Compliance Certifications

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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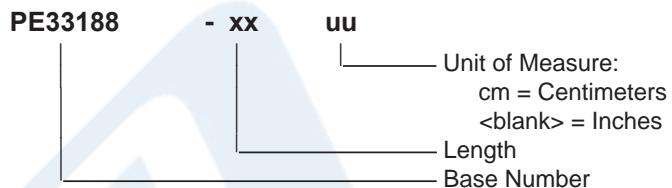


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How to Order

Part Number Configuration:



Example: PE33188-12 = 12 inches long cable
PE33188-100cm = 100 cm long cable

75 Ohm BNC Male to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm RG59 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.

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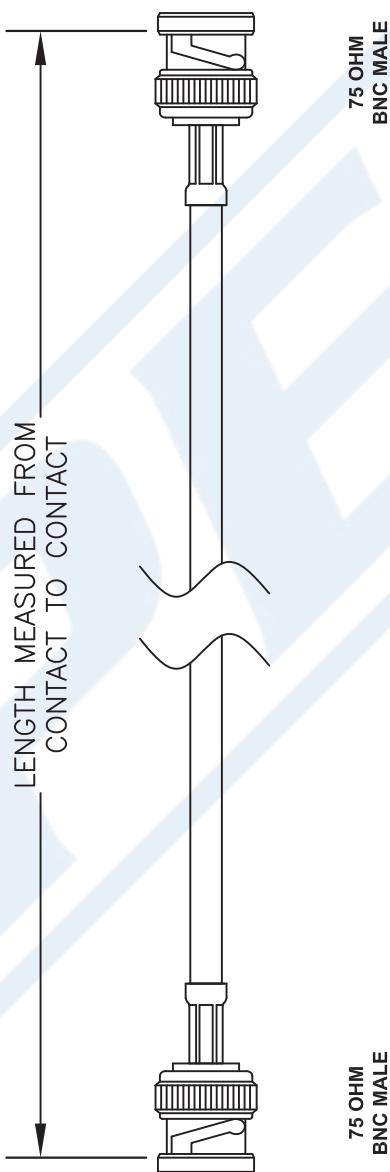
URL: <https://www.pasternack.com/bnc-male-bnc-male-rg59bu-cable-assembly-pe33188-48-p.aspx>

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.

PE33188-48 CAD Drawing

75 Ohm BNC Male to 75 Ohm BNC Male Cable 48 Inch Length Using 75 Ohm RG59 Coax

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches



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DWG TITLE

PE33188-XX

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].

4. LENGTH TOLERANCE IS $\pm 1.5\%$ OR $3/16$ ", WHICHEVER IS GREATER.

CAD FILE 012208 SCALE N/A SIZE A 127