



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	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

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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### How to Order

Part Number Configuration:

PE33188

- xx

uu

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

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.

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](https://www.pasternack.com/bnc-male-bnc-male-rg59bu-cable-assembly-pe33188-48-p.aspx)

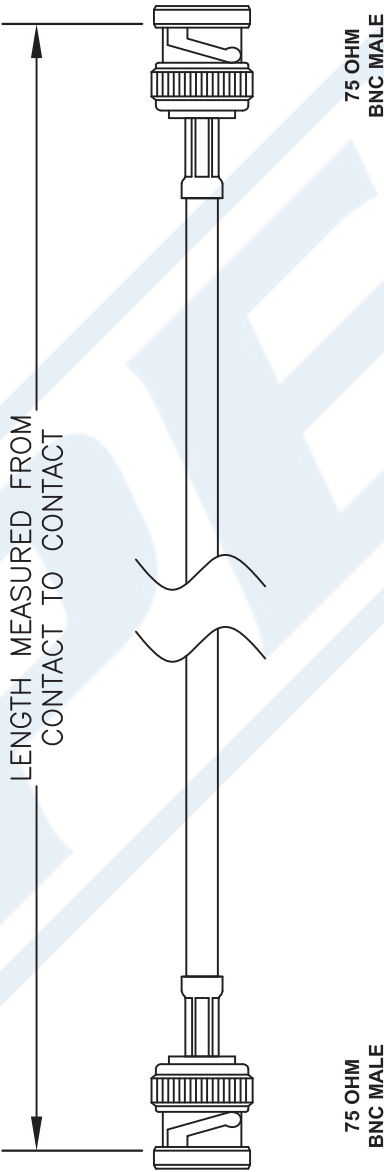
URL: <https://www.pasternack.com/bnc-male-bnc-male-rg59bu-cable-assembly-pe33188-48-p.aspx>

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



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  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE33188-XX**

REV. A	FSCM NO. 53919	CAD FILE 012208	SCALE N/A	SIZE A	127
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