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PE35148-48

BNC Male to BNC Male Cable 48 Inch Length Using RG141 Coax

RF Cable Assemblies Technical Data Sheet

Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG141

Features

- Max Frequency 4 GHz
- PTFE (FG) Jacket

Applications

General Purpose

Laboratory Use

Description

Pasternack's PE35148-48 BNC male to BNC male 48 inch cable using RG141 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 50 ohm flex-ible RG141 coax. The PE35148-48 BNC male to BNC male cable assembly operates to 4 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		4	GHz
VSWR			1.4:1	
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Jacket Spark			2,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male to BNC Male Cable 48 Inch Length Using RG141 Coax PE35148-48

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.356	0.417	0.518	0.72	1.41	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* Diameter	48 in [121.92 cm] 0.571 in [14.5 mm]
Weight	0.194 lbs [88 g]
Cable Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Jacket Material Jacket Diameter	RG141 50 Ohms Solid Copper Clad Steel, Silver PTFE 1 Silver Plated Copper PTFE (FG), Beige 0.19 in [4.83 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	BNC Male	BNC Male	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 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:

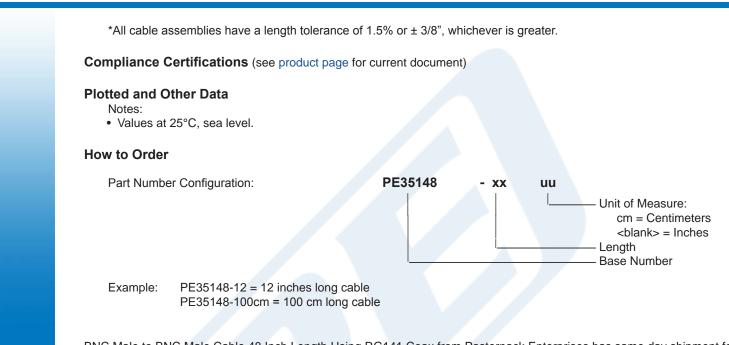
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BNC Male to BNC Male Cable 48 Inch Length Using RG141 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/bnc-male-bnc-male-rg141au-cable-assembly-pe35148-48-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.

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PE35148-48 CAD Drawing BNC Male to BNC Male Cable 48 Inch Length Using RG141 Coax

