

# 037-037-

PE35148-24

# BNC Male to BNC Male Cable 24 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 PE35148-24 BNC male to BNC male 24 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 PE35148-24 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 24 Inch Length Using RG141 Coax PE35148-24

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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Specifications by Frequency

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Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.278	0.308	0.359	0.46	0.805	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	
Weight	
Cable	

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Jacket Material Jacket Diameter

## 24 in [609.6 mm] 0.571 in [14.5 mm] 0.124 lbs [56.25 g]

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:

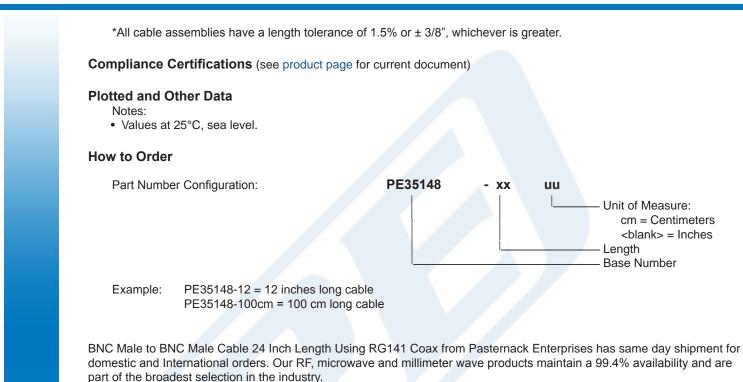
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URL: https://www.pasternack.com/bnc-male-bnc-male-rg141au-cable-assembly-pe35148-24-p.aspx

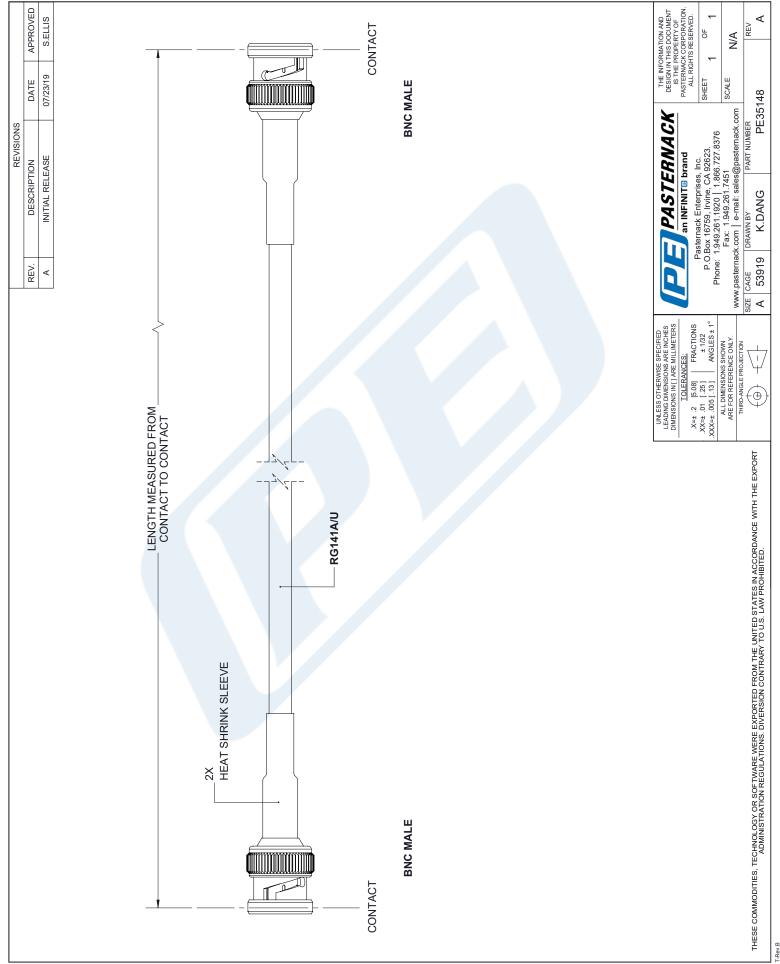
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# PE35148-24

PE35148-24 CAD Drawing BNC Male to BNC Male Cable 24 Inch Length Using RG141 Coax



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