

# 10-32 Male to BNC Male Cable 24 Inch Length Using RG316 Coax



# RF Cable Assemblies Technical Data Sheet

PE3C3424-24

# Configuration

Connector 1: 10-32 MaleConnector 2: BNC MaleCable Type: RG316

# **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
VSWR			1.4:1	
Velocity of Propagation	V	69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
DC Resistance Inner Conductor		8.41 [27.59]		Ω/1000ft [Ω/Km]
Operating Voltage (AC)			335	Vrms
Jacket Spark			2,000	Vrms

# **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.1	0.25	0.5	2	GHz
Insertion Loss (Max.)	0.34	0.43	0.49	0.59	1.05	dB
Insertion Loss (Typ.)	0.35	0.42	0.52	0.677	1.16	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\* 24 in [609.6 mm]
Diameter 0.57 in [14.48 mm]

Cable

Cable Type RG316 Impedance 50 Ohms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 10-32 Male to BNC Male Cable 24 Inch Length Using RG316 Coax PE3C3424-24

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

Sales@Pasternack.com • Techsupport@Pasternack.com



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

Stranded
Copper Clad Steel, Silver
PTFE
1
Silver Plated Copper Braid
FEP, Tan
0.102 in [2.59 mm]

### Connectors

Description	Connector 1	Connector 2  BNC Male	
Туре	10-32 Male		
Specification		MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification	30 µin minimum	50μ in. minimum	
Dielectric Type	PTFE	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100 µin minimum	100μ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	100μ in. minimum	
Hex Size	1/4 inch		

Mechanical Specification Notes:

## **Environmental Specifications**

**Temperature**Operating Range

-55 to +125 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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<sup>\*</sup>All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.



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## **How to Order**



Example: PE3C3424-12 = 12 inches long cable

PE3C3424-100cm = 100 cm long cable

10-32 Male to BNC Male Cable 24 Inch Length Using RG316 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/10-32-male-bnc-male-rg316u-cable-assembly-pe3c3424-24-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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PE3C3424-24 CAD Drawing
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