RF Cable Assemblies - PE3996-72

Configuration

- Connector 1: N Male
- Connector 2: N Female
- Cable Type: RG142

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Velocity of Propagation		69.2		%
RF Shielding	90			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	8	GHz

Mechanical Specifications

Cable Assembly

Length	72 in [182.88 cm]
Diameter	0.812 in [20.62 mm]
Weight	0.174 lbs [78.93 g]
One Time Minimum Bend Radius	0.984 in [24.99 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]

Cable

Cable Type	RG142
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.195 in [4.95 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to N Female Cable 72 Inch Length Using RG142 Coax PE3996-72

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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RF Cable Assemblies - PE3996-72

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Contact Material and Plating	Brass, Silver	Brass, Gold
Contact Plating Specification		30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100µ in. minimum

Environmental Specifications

Compliance Certifications (visit www.Pasternack.com for current document)
For RoHS Compliant version, use PE3996LF-72. Contact Pasternack if product cannot be found.
REACH Compliant   06/18/2012

Plotted and Other Data
Notes:
• Values at 25°C, sea level.

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RF Cable Assemblies - PE3996-72

How to Order

Part Number Configuration: **PE3996**   - xx   uu

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

Example: PE3996-12 = 12 inches long cable
PE3996-100cm = 100 cm long cable

N Male to N Female Cable 72 Inch Length Using RG142 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.
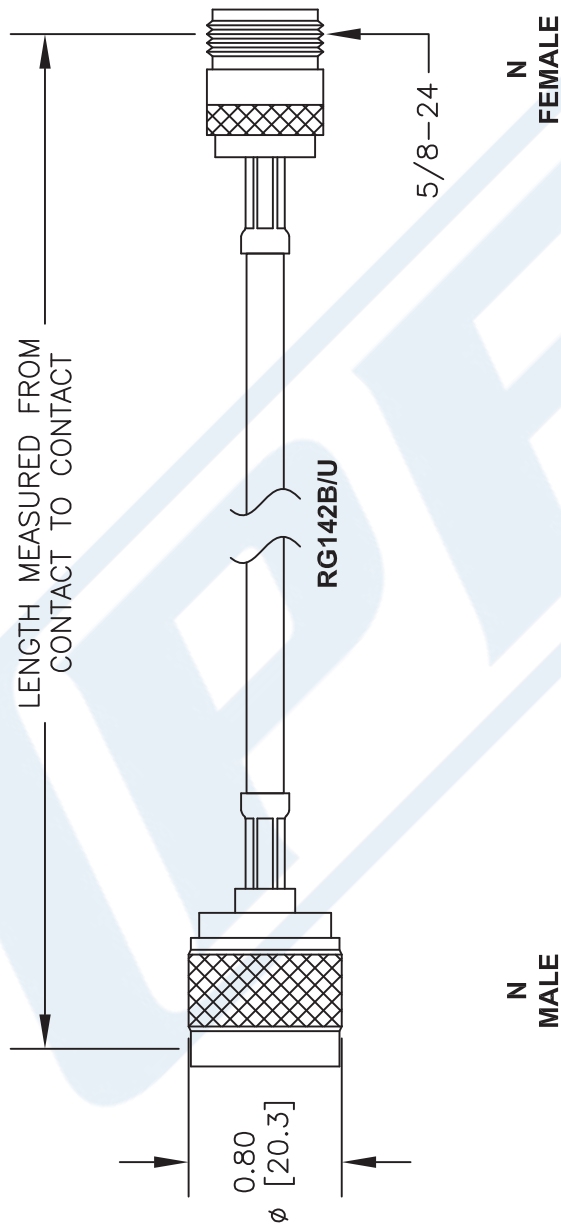
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URL: http://www.pasternack.com/n-male-n-female-rg142bu-cable-assembly-pe3996-72-p.aspx

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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N FEMALE

5/8-24

LENGTH MEASURED FROM CONTACT TO CONTACT

RG142B/U

N MALE

Ø 0.80 [20.3]

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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

2233		
SIZE A		
SCALE N/A		
081215	CAD FILE	
PE3996	DWG TITLE	
FSCM NO. 53919		

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THE ENGINEER'S RF SOURCE

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