



BNC Male to N Male Cable 100 cm Length Using RG142 Coax

RF Cable Assemblies Technical Data Sheet

PE3W06862-100CM

Configuration

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

Features

- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06862-100CM BNC male to type N male 100 cm cable using RG142 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 type N cable assembly has a male to male gender configuration with 50 ohm flexible RG142 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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.

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Diameter	0.83 in [21.08 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

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 N Male Cable 100 cm Length Using RG142 Coax PE3W06862-100CM](#)



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Shield Layer 2 Silver Plated Copper Braid
Jacket Material FEP, Tan
Jacket Diameter 0.195 in [4.95 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	N Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin 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 -55 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W06862

- **xx**

uu

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

Example: PE3W06862-12 = 12 inches long cable
PE3W06862-100cm = 100 cm long cable

BNC Male to N Male Cable 100 cm 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 99.4% availability and are part of the broadest selection in the industry.

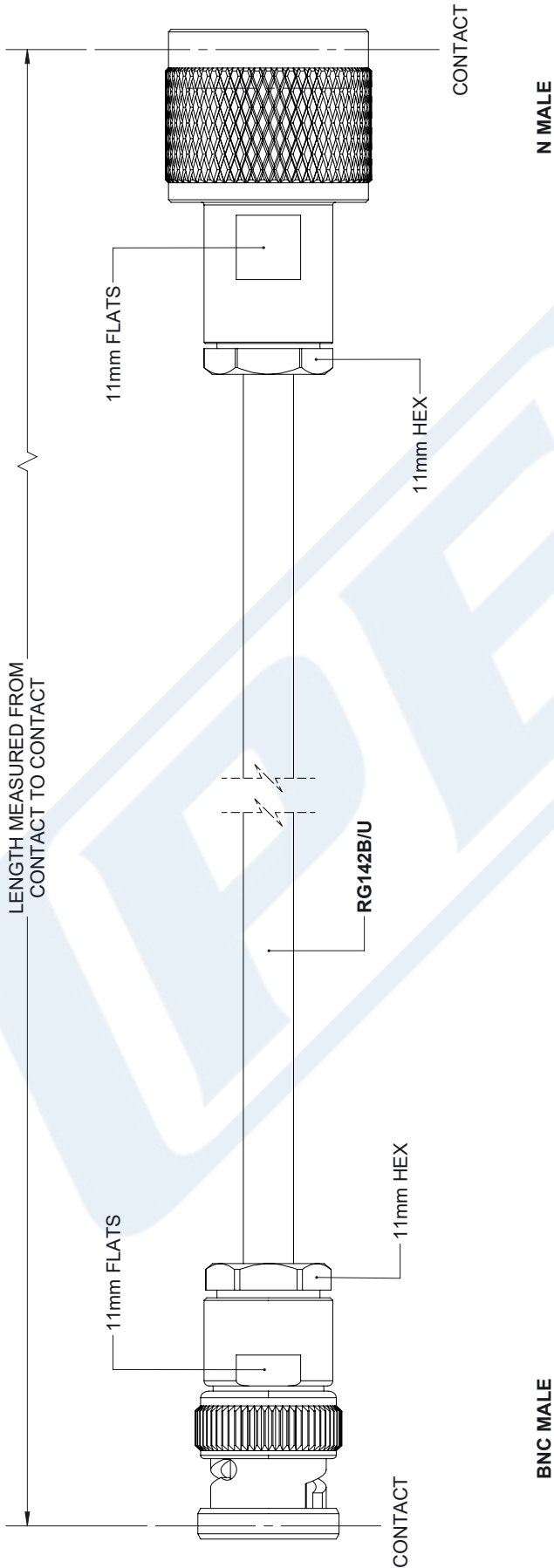
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to N Male Cable 100 cm Length Using RG142 Coax PE3W06862-100CM](https://www.pasternack.com/bnc-male-n-male-rg142bu-cable-assembly-pe3w06862-100cm-p.aspx)

URL: <https://www.pasternack.com/bnc-male-n-male-rg142bu-cable-assembly-pe3w06862-100cm-p.aspx>

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PE3W06862-100CM CAD Drawing
BNC Male to N Male Cable 100 cm Length Using RG142 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
.XX±.01 [.25]	±.132
.XXX±.005 [.13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

PE PASTERNAK an INFINITI brand	
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SIZE	CAGE
A	53919
DRAWN BY	K.DANG
PART NUMBER	PE3W06862
REV	A

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SCALE	N/A

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