



N Male to N Male Cable 120 Inch Length Using RG214 Coax

RF Cable Assemblies Technical Data Sheet

PE3062-120

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG214

Features

- Max Frequency 11 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3062-120 type N male to type N male 120 inch cable using RG214 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 type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG214 coax. The PE3062-120 type N male to type N male cable assembly operates to 11 GHz. 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.

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 Male Cable 120 Inch Length Using RG214 Coax PE3062-120](#)


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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
VSWR			1.5:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	8	10	GHz
Insertion Loss (Typ.)	0.97	1.46	2.27	3.22	3.85	dB
VSWR (Max.)	1.35:1	1.35:1	1.35:1	1.35:1	1.79:1	

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications
Cable Assembly

Weight 1.364 lbs [618.7 g]

Cable

Cable Type RG214
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material PVC, Black
 Jacket Diameter 0.425 in [10.8 mm]

Repeated Minimum Bend Radius 1.6 in [40.64 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N 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 μ in minimum	30 μ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in minimum	100 μ in minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 μ in minimum	100 μ in minimum

Environmental Specifications

Temperature

Operating Range

-20 to +80 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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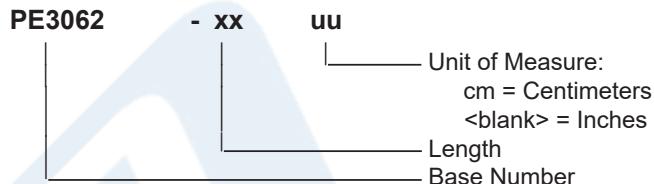
N Male to N Male Cable 120 Inch Length Using RG214 Coax

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How to Order

Part Number Configuration:



Example: PE3062-12 = 12 inches long cable
PE3062-100cm = 100 cm long cable

N Male to N Male Cable 120 Inch Length Using RG214 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.

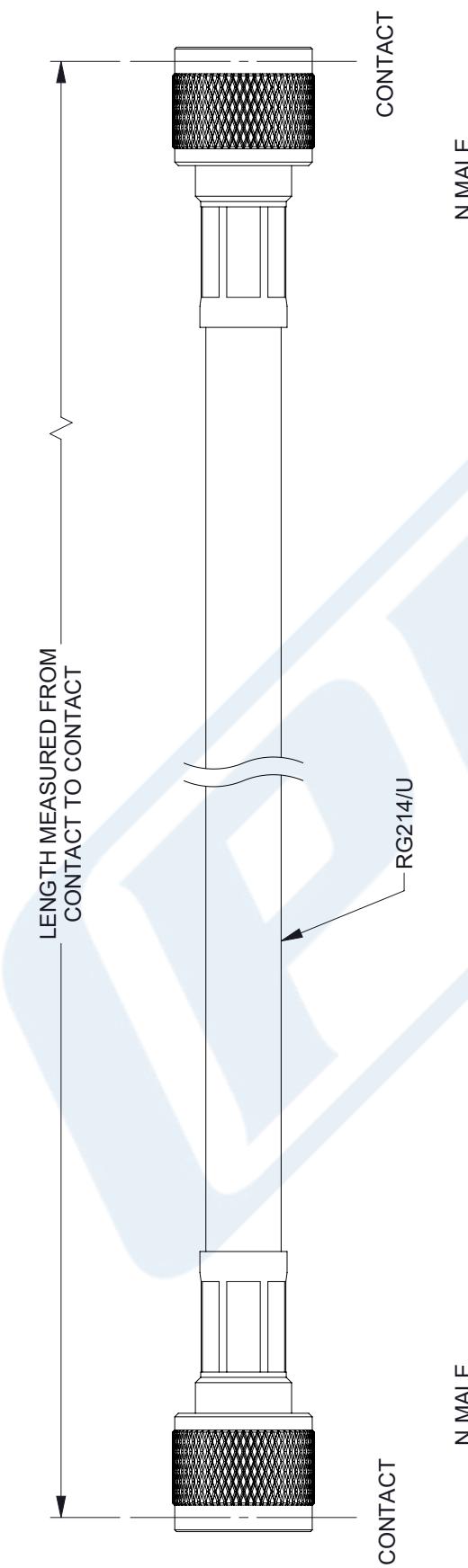
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Cable 120 Inch Length Using RG214 Coax PE3062-120](#)

URL: <https://www.pasternack.com/n-male-n-male-rg214u-cable-assembly-pe3062-120-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.

PE3062-120 CAD Drawing
N Male to N Male Cable 120 Inch Length Using RG214 Coax

REVISIONS				
REV.	DESCRIPTION	DATE	APPROVED	
B	PCR PE3062 20220622	6/27/2022	RDELEON	



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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	TOLERANCES:		
X = ± 2 [5.08]	FRACTIONS XX = $\pm .02$ [.51]	$\pm 1/32$	
XXX = $\pm .005$ [.13]		ANGLES $\pm 1^\circ$	
CABLE LENGTH (L) TOLERANCES:			
L \leq 12 [305]	L \leq 12 [305]	L \leq 12 [305]	L \leq 12 [305]
$+1 [25]$ / -0	$+1 [25]$ / -0	$+1 [25]$ / -0	$+1 [25]$ / -0
$+2 [52]$ / -0	$+2 [51]$ / -0	$+2 [51]$ / -0	$+2 [51]$ / -0
$+4 [102]$ / -0	$+4 [102]$ / -0	$+4 [102]$ / -0	$+4 [102]$ / -0
60 [1524] $<$ L \leq 120 [3048]	60 [1524] $<$ L \leq 120 [3048]	60 [1524] $<$ L \leq 120 [3048]	60 [1524] $<$ L \leq 120 [3048]
$+4 [102]$ / -0	$+4 [102]$ / -0	$+4 [102]$ / -0	$+4 [102]$ / -0
120 [3048] $<$ L \leq 300 [7620]	120 [3048] $<$ L \leq 300 [7620]	120 [3048] $<$ L \leq 300 [7620]	120 [3048] $<$ L \leq 300 [7620]
$+6 [152]$ / -0	$+6 [152]$ / -0	$+6 [152]$ / -0	$+6 [152]$ / -0
300 [7620] $<$ L \leq 450 [1143]	300 [7620] $<$ L \leq 450 [1143]	300 [7620] $<$ L \leq 450 [1143]	300 [7620] $<$ L \leq 450 [1143]
$+0 [0]$ / -0	$+0 [0]$ / -0	$+0 [0]$ / -0	$+0 [0]$ / -0
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SHEET	1	OF	1
SCALE	N/A	REV	B
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	K DANG	PE3062