



N Male to 7/16 DIN Male Cable 48 Inch Length Using RG214 Coax

## RF Cable Assemblies - PE3218-48

### Configuration

- Connector 1: N Male
- Connector 2: 7/16 DIN Male
- Cable Type: RG214

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		7.5	GHz
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	7.5	GHz
Insertion Loss	0.316	0.375	0.493	0.699	1.223	dB

### Mechanical Specifications

#### Cable Assembly

Length	48 in [121.92 cm]
Diameter	1.25 in [31.75 mm]
Weight	0.456 lbs [206.84 g]
Cable Color	Black
Connection Type	Between Series
One Time Minimum Bend Radius	1.57 in [39.88 mm]

#### Cable

Cable Type	RG214
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE (LD)
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	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: [N Male to 7/16 DIN Male Cable 48 Inch Length Using RG214 Coax PE3218-48](#)



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Jacket Material PVC  
Jacket Diameter 0.425 in [10.8 mm]

### Connectors

Description	Connector 1	Connector 2
Type	N Male	7/16 DIN Male
Specification	MIL-STD-348A	IEC 169-4
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Contact Material and Plating	Brass, Gold	Brass/Beryllium Copper, Gold
Contact Plating Specification	30µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum	100µ in. minimum
Hex Size		32 mm
Torque	[ ]	18 ft-lbs [24.41 Nm]
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	100µ in. minimum

### Environmental Specifications

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

For RoHS Compliant version, use PE3218LF-48. Contact Pasternack if product cannot be found.  
REACH Compliant 06/18/2012

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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 7/16 DIN Male Cable 48 Inch Length Using RG214 Coax PE3218-48](#)



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## RF Cable Assemblies - PE3218-48

### How to Order

Part Number Configuration:

PE3218

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3218-12 = 12 inches long cable  
PE3218-100cm = 100 cm long cable

N Male to 7/16 DIN Male Cable 48 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% availability and are part of the broadest selection in the industry.

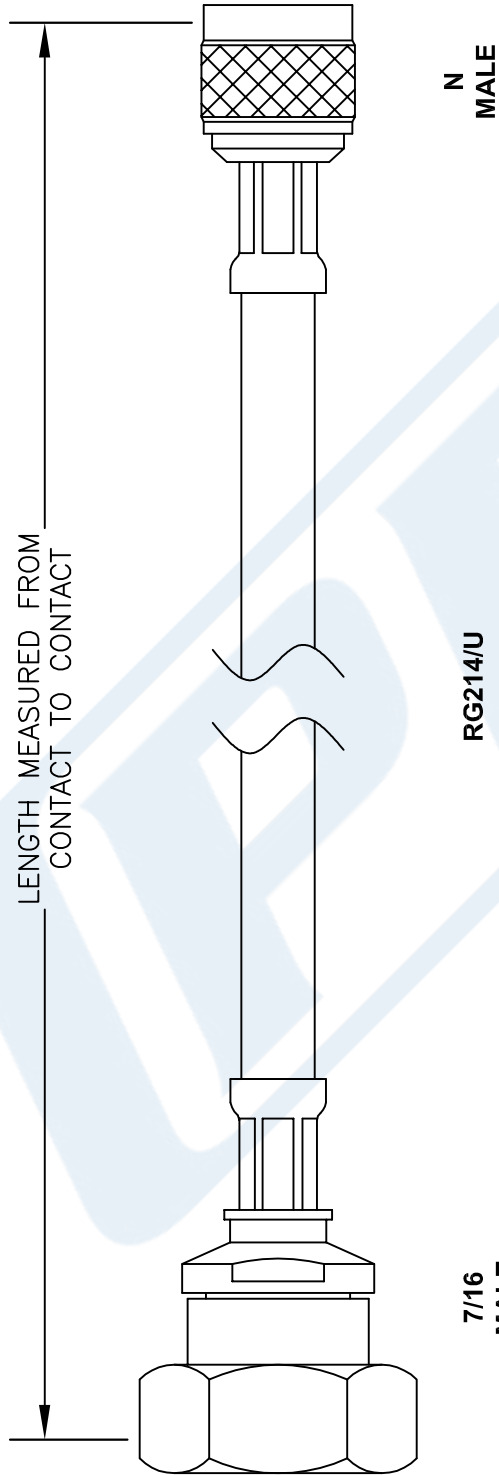
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to 7/16 DIN Male Cable 48 Inch Length Using RG214 Coax PE3218-48](http://www.pasternack.com/n-male-7-16-male-rg214u-cable-assembly-pe3218-48-p.aspx)

URL: <http://www.pasternack.com/n-male-7-16-male-rg214u-cable-assembly-pe3218-48-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.

# PE3218-48 CAD Drawing

N Male to 7/16 DIN Male Cable 48 Inch Length Using RG214 Coax



DWG TITLE

**PE3218**

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  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

FSCM NO. 53919

CAD FILE 072715

SCALE N/A

SIZE A

150

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