



## N Male to N Male Low Loss Cable Using LMR-200-UF Coax with Times Microwave Components

### RF Cable Assemblies Technical Data Sheet

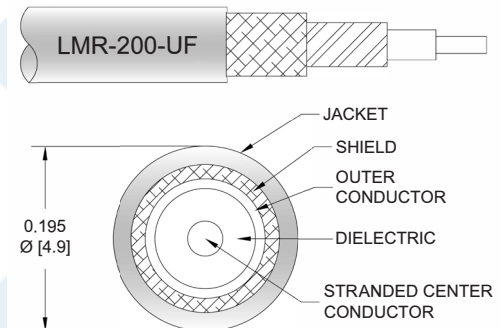
**PE3C2807**

#### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: LMR-200-UF
- Coax Flex Type: Flexible

#### Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 83% Phase Velocity
- PE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C2807 type N male to type N male cable using LMR-200-UF 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 LMR-200-UF coax. The PE3C2807 type N male to type N male cable assembly operates to 5.8 GHz.

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 Low Loss Cable Using LMR-200-UF Coax with Times Microwave Components PE3C2807](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		83		%
RF Shielding	90			dB
Capacitance		24.5 [80.38]		pF/ft [pF/m]
Jacket Spark			3,000	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.061	0.087	0.125	0.202	0.316	dB/ft
	0.2	0.29	0.41	0.66	1.04	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.188 lbs [85.28 g]

##### Cable

Cable Type LMR-200-UF  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Dielectric Type PE (F)  
 Number of Shields 1  
 Shield Layer 1 Tinned Copper  
 Shield Layer 2 Aluminum Tape  
 Jacket Material PE, Black

One Time Minimum Bend Radius 0.5 in [12.7 mm]  
 Repeated Minimum Bend Radius 2 in [50.8 mm]  
 Flat Plate Crush 10 lbs/in [0.18 Kg/mm]  
 Tensile Strength 40 lbs [18.14 Kg]

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#### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Phosphor Bronze	Phosphor Bronze
Hex Size	13/16 Inch	13/16 Inch

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

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

#### Plotted and Other Data

Notes:

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## N Male to N Male Low Loss Cable Using LMR-200-UF Coax with Times Microwave Components

### RF Cable Assemblies Technical Data Sheet

**PE3C2807**

#### How to Order

Part Number Configuration:

**PE3C2807**

- **xx**

**uu**

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

Example: PE3C2807-12 = 12 inches long cable  
PE3C2807-100cm = 100 cm long cable

N Male to N Male Low Loss Cable Using LMR-200-UF Coax with Times Microwave Components 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.

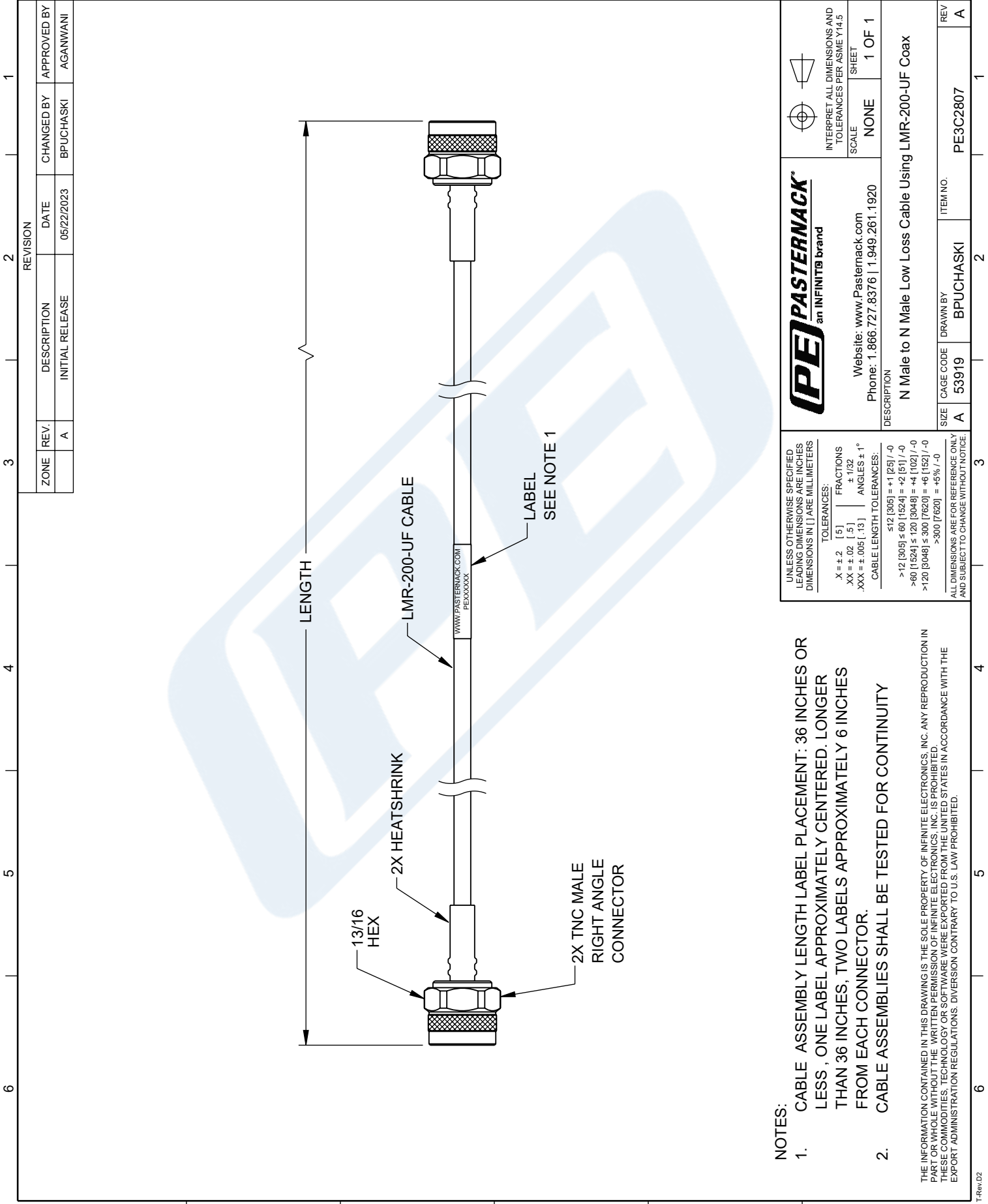
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Low Loss Cable Using LMR-200-UF Coax with Times Microwave Components PE3C2807](https://www.pasternack.com/n-male-to-n-male-low-loss-cable-using-lmr-200-uf-pe3c2807-p.aspx)

URL: <https://www.pasternack.com/n-male-to-n-male-low-loss-cable-using-lmr-200-uf-pe3c2807-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.

# PE3C2807 CAD Drawing

N Male to N Male Low Loss Cable Using LMR-200-UF Coax with Times Microwave Components



## NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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<b>UNLESS OTHERWISE SPECIFIED</b> LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		<b>PE PASTERNAK</b> an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a>		SCALE	
X = ± .2 [ .5 ]		Phone: 1.866.727.8376   1.949.261.1920		NONE	
XX = ± .02 [ .5 ]				SHEET	
.XXX = ± .005 [ .13 ]				1 OF 1	
CABLE LENGTH TOLERANCES:		DESCRIPTION			
≤ 12 [ 305 ] ≤ 60 [ 1524 ] = ± .125 [ -0		N Male to N Male Low Loss Cable Using LMR-200-UF Coax			
> 60 [ 1524 ] ≤ 120 [ 3048 ] = ± .102 [ -0					
> 120 [ 3048 ] ≤ 300 [ 7620 ] = ± .06 [ 152 ] / -0					
> 300 [ 7620 ] = ± .05 [ -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		SIZE		REV	
		A 53919		A	
		DRAWN BY		ITEM NO.	
		BPUCHASKI		PE3C2807	