

## 75 Ohm N Male to 75 Ohm N Female Low Frequency Cable Using 75 Ohm PE-SF200LL75 Coax, RoHS



#### RF Cable Assemblies Technical Data Sheet

PE3TC1201

#### Configuration

Connector 1: N MaleConnector 2: N FemaleCable Type: PE-SF200LL75

#### **Features**

- Precision 75 Ohm Type N connectors
- 1.35:1 VSWR to 3 GHz
- 70% velocity of propagation (VoP) low loss coax
- 100% VSWR tested and Hi-Pot tested to 500 volts
- · Very flexible and durable
- · Enhanced strain relief, heavy duty booting
- · In-stock and ready to ship

#### **Applications**

- · Production testing up to 3 GHz
- RF development testing
- · General lab testing
- · Test rack applications

#### **Description**

Pasternack's new line of 75 Ohm type N test cables built on our PE-SF200LL75 coax are optimized for use up to 3 GHz. The highly flexible low loss coax design improves the usability of the test cables reducing the strain applied to your test components while making it easier to route the cables in your test setup or equipment rack. The flexible coax cable has excellent electrical properties including low insertion loss. These 3 GHz test cables are available with Male and Female Type-N connector options and are stocked in standard lengths and available for same day shipment.

#### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Operating Voltage (AC)			500	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm N Male to 75 Ohm N Female Low Frequency Cable Using 75 Ohm PE-SF200LL75 Coax, RoHS PE3TC1201

ISO 9001 : 2008 Registered



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#### **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	3			GHz
Insertion Loss (Max.)	1.16	1.19	1.23			dB/ft
	[3.81]	[3.9]	[4.04]			[dB/m]

Electrical Specification Notes: Values at 25°C, sea level.

#### **Mechanical Specifications**

#### **Cable Assembly**

Cable

Cable Type Impedance

Inner Conductor Type

Inner Conductor Material and Plating

One Time Minimum Bend Radius

Dielectric Type Number of Shields

Shield Layer 1

Shield Layer 2

Jacket Material

Jacket Diameter

PE-SF200LL75

75 Ohms Solid

Copper, Bare

PTFE

2

Silver Plated Copper Braid Silver Plated Copper Braid

FEP

0.195 in [4.95 mm]

1 in [25.4 mm]

#### Connectors

Description	Connector 1	Connector 2	
Туре	N Male	N Female	
Impedance	75 Ohms	75 Ohms	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating		Passivated Stainless Steel	
Coupling Nut Material and Plating	Passivated Stainless Steel		
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant Yes

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#### **Plotted and Other Data**

Notes:

• Values at 25°C, sea level.

#### **How to Order**

PE3TC1201 Part Number Configuration: uu Unit of Measure: cm = Centimeters <blank> = Inches Length Base Number

PE3TC1201-12 = 12 inches long cable Example: PE3TC1201-100cm = 100 cm long cable

75 Ohm N Male to 75 Ohm N Female Low Frequency Cable Using 75 Ohm PE-SF200LL75 Coax, RoHS 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-pe-sf200ll75-cable-assembly-pe3tc1201-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.



**PE3TC1201 CAD Drawing**75 Ohm N Male to 75 Ohm N Female Low Frequency Cable Using 75 Ohm PE-SF200LL75 Coax, RoHS

