



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

### RF Cable Assemblies Technical Data Sheet

PE3TC1203

#### Configuration

- Connector 1: F Male
- Connector 2: F Female
- Cable Type: PE-SF200LL75

#### Features

- Precision 75 Ohm Type F 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
- Precision Type F center conductor diameter 0.029"

#### Applications

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

#### Description

Pasternack's new line of 75 Ohm F type 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 F type 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	
Insertion Loss			1.23 [4.04]	dB/ft [dB/m]
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 F Male to 75 Ohm F Female Low Frequency Cable Using 75 Ohm PE-SF200LL75 Coax, RoHS PE3TC1203](#)



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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 [dB/m]
	[3.81]	[3.9]	[4.04]			

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

**Mechanical Specifications**

**Cable Assembly**

**Cable**

Cable Type	PE-SF200LL75
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Bare
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP
Jacket Diameter	0.195 in [4.95 mm]

One Time Minimum Bend Radius 1 in [25.4 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	F Male	F 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](http://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**

Part Number Configuration:

**PE3TC1203 - xx uu**

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

Example: PE3TC1203-12 = 12 inches long cable  
PE3TC1203-100cm = 100 cm long cable

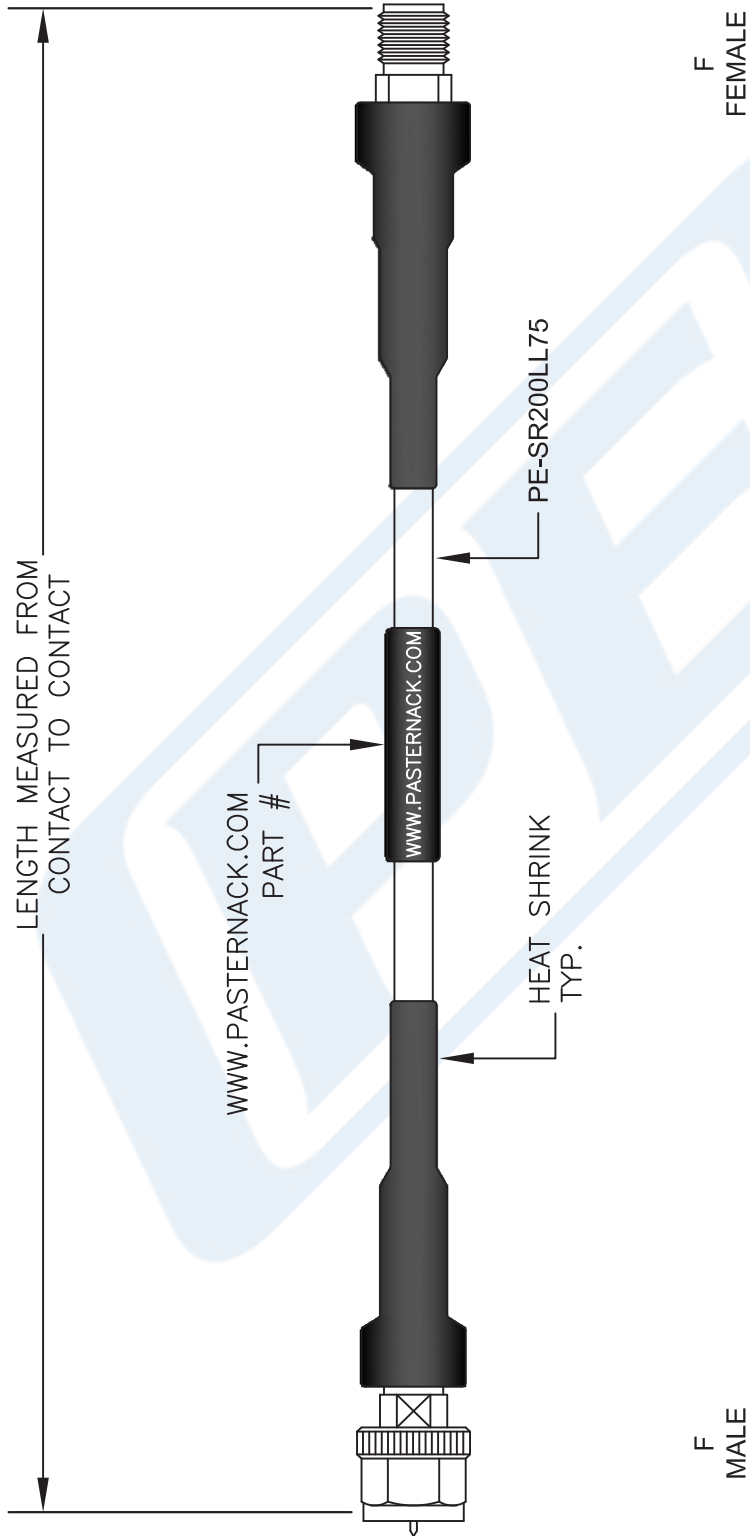
75 Ohm F Male to 75 Ohm F Female Low Frequency Cable Using 75 Ohm PE-SF200LL75 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: <http://www.pasternack.com/f-male-f-female-pe-sf200ll75-cable-assembly-pe3tc1203-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.

**PE3TC1203 CAD Drawing**  
 75 Ohm F Male to 75 Ohm F Female Low Frequency Cable  
 Using 75 Ohm PE-SF200LL75 Coax, RoHS



**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  $\pm 2\%$

DWG TITLE  
**PE3TC1203**

**PE PASTERNAK**  
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FSCM NO. 53919	CAD FILE 022916	SCALE N/A	SIZE A	2233
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