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

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>DC</td>
<td></td>
<td>3</td>
<td>GHz</td>
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<tr>
<td>VSWR</td>
<td></td>
<td>1.35:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td></td>
<td>2.49</td>
<td></td>
<td>dB</td>
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<tr>
<td>Velocity of Propagation</td>
<td></td>
<td>70</td>
<td></td>
<td>%</td>
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<tr>
<td>Operating Voltage (AC)</td>
<td></td>
<td></td>
<td>500</td>
<td>Vrms</td>
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</table>

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 200 cm Length Using 75 Ohm PE-SF200LL75 Coax, RoHS PE3TC1203-200CM
75 Ohm F Male to 75 Ohm F Female Low Frequency Cable 
200 cm Length Using 75 Ohm PE-SF200LL75 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

Specifications by Frequency

<table>
<thead>
<tr>
<th>Description</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
<th>F4</th>
<th>F5</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td>GHz</td>
</tr>
<tr>
<td>Insertion Loss (Max.)</td>
<td>2.04</td>
<td>2.23</td>
<td>2.49</td>
<td></td>
<td></td>
<td>dB</td>
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</tbody>
</table>

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

Mechanical Specifications

Cable Assembly
- Length: 78.74 in [200 cm]
- Weight: 0.33 lbs [149.69 g]

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Connector 1</th>
<th>Connector 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>F Male</td>
<td>F Female</td>
</tr>
<tr>
<td>Impedance</td>
<td>75 Ohms</td>
<td>75 Ohms</td>
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<tr>
<td>Contact Material and Plating</td>
<td>Beryllium Copper, Gold</td>
<td>Beryllium Copper, Gold</td>
</tr>
<tr>
<td>Dielectric Type</td>
<td>PTFE</td>
<td>PTFE</td>
</tr>
<tr>
<td>Outer Conductor Material and Plating</td>
<td>Passivated Stainless Steel</td>
<td>Passivated Stainless Steel</td>
</tr>
<tr>
<td>Coupling Nut Material and Plating</td>
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<td>Passivated Stainless Steel</td>
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<tr>
<td>Body Material and Plating</td>
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<td>Passivated Stainless Steel</td>
</tr>
</tbody>
</table>

Compliance Certifications
RoHS Compliant: Yes

(visit www.Pasternack.com for current document)

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 200 cm Length Using 75 Ohm PE-SF200LL75 Coax, RoHS PE3TC1203-200CM

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Sales@Pasternack.com • Techsupport@Pasternack.com

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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 200 cm Length 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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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.
75 Ohm F Male to 75 Ohm F Female Low Frequency Cable 200 cm Length Using 75 Ohm PE-SF200LL75 Coax, RoHS