



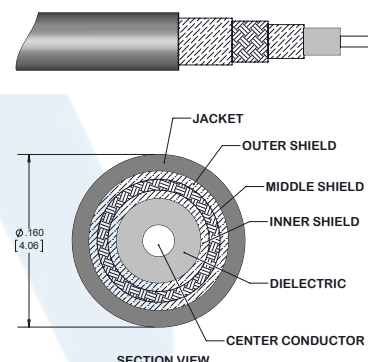
2.4mm Male to 2.4mm Male Test Cable
100 CM Length Using PE-P160 Coax

RF Cable Assemblies Technical Data Sheet

PE363-100CM

Configuration

- Connector 1: 2.4mm Male
- Connector 2: 2.4mm Male
- Cable Type: PE-P160



Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.4:1	
Velocity of Propagation		78		%
RF Shielding	90			dB
Capacitance		26 [85.3]		pF/ft [pF/m]
Inductance		66 [216.54]		uH/ft [uH/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20	40	GHz
Insertion Loss (Max.)	0.78	1.12	1.66	2.4	3.61	dB
Insertion Loss (Typ.)	0.655	0.988	1.466	2.178	3.294	dB

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Diameter	0.33 in [8.38 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 2.4mm Male Test Cable 100 CM Length Using PE-P160 Coax PE363-100CM](#)



2.4mm Male to 2.4mm Male Test Cable
100 CM Length Using PE-P160 Coax

RF Cable Assemblies Technical Data Sheet

PE363-100CM

Weight	0.178 lbs [80.74 g]
Cable	
Cable Type	PE-P160
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	3
Shield Layer 1	Silver Plated Copper
Shield Layer 2	Aluminum Tape
Shield Layer 3	Silver Plated Copper
Jacket Material	ETFE, Gray
Jacket Diameter	0.16 in [4.06 mm]
One Time Minimum Bend Radius	0.8 in [20.32 mm]
Typical Flex Cycles	10,000

Connectors

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM-B488 50µ In. Minimum	ASTM-B488 50µ In. Minimum
Dielectric Type	PEI	PEI
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 Inch	5/16 Inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications

Temperature

Operating Range -45 to +125 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 2.4mm Male Test Cable 100 CM Length Using PE-P160 Coax PE363-100CM](#)



2.4mm Male to 2.4mm Male Test Cable
100 CM Length Using PE-P160 Coax

RF Cable Assemblies Technical Data Sheet

PE363-100CM

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

PE363 - xx uu

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

Example: PE363-12 = 12 inches long cable
PE363-100cm = 100 cm long cable

2.4mm Male to 2.4mm Male Test Cable 100 CM Length Using PE-P160 Coax 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.

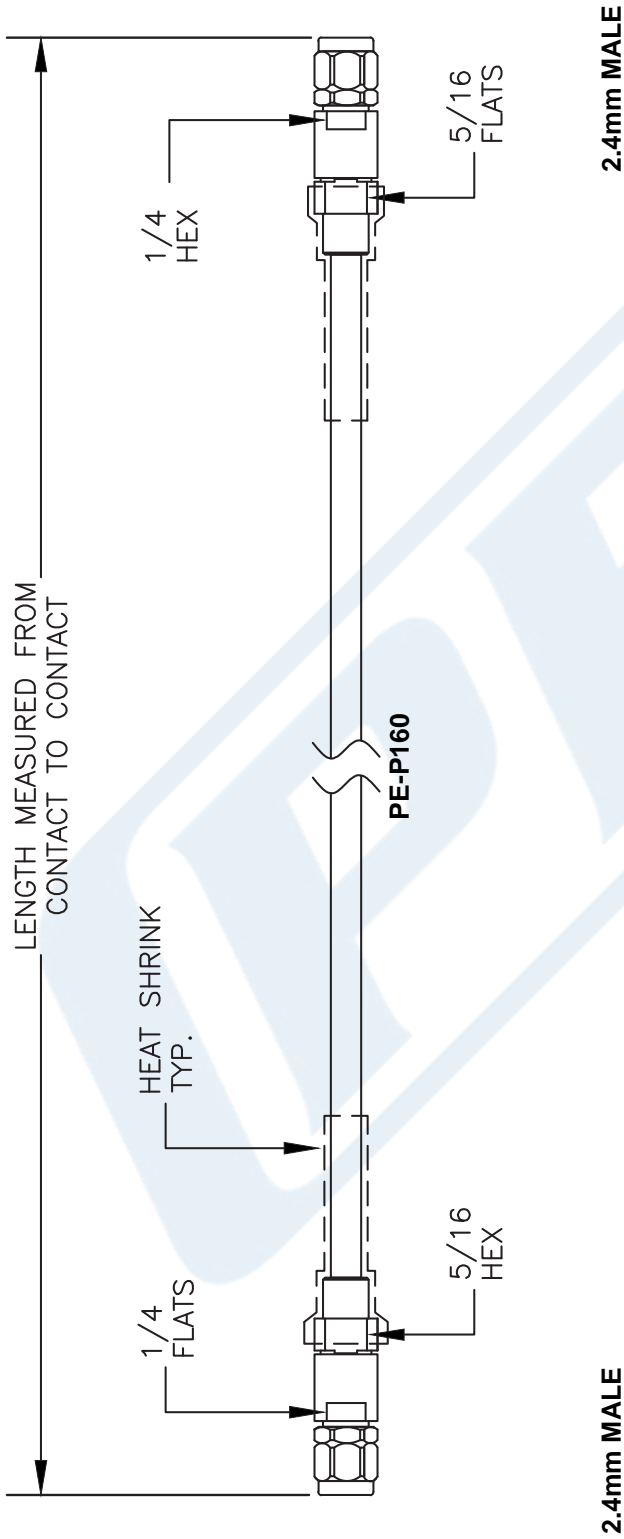
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 2.4mm Male Test Cable 100 CM Length Using PE-P160 Coax PE363-100CM](#)

URL: <https://www.pasternack.com/2.4mm-male-2.4mm-male-pe-p160-cable-assembly-pe363-100cm-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.

PE363-100CM CAD Drawing

2.4mm Male to 2.4mm Male Test Cable 100 CM Length Using PE-P160 Coax



How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration PE3 <input type="text"/> zzz <input type="text"/> yy <input type="text"/> - <input type="text"/> xx <input type="text"/> uu <input type="text"/>		-12	12"	-25CM	25Cm
00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables		-24	24"	-50CM	50Cm
Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM		-36	36"	-75CM	75Cm
CM = Centimeters < Blank > = Inches Length		-48	48"	-100CM	100Cm
		-60	60"	-125CM	125Cm
		-XX	Custom Length	-XXCM	Custom Length

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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE
PE363

PE PASTERNAK®
 Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623
 Phone: (949) 261-1920 | Fax: (949) 261-7451
 Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919	CAD FILE 061013	SCALE N/A	SIZE A	2233
----------------	-----------------	-----------	--------	------