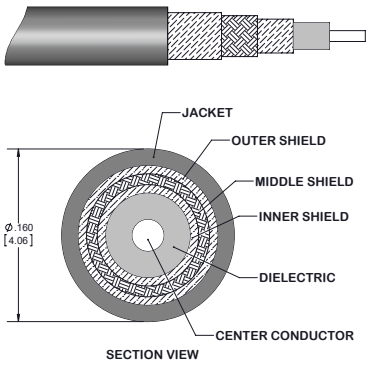
2.4mm Male to 2.4mm Male Test Cable 100 CM Length Using PE-P160 Coax

PE363-100CM

Configuration

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



Features

- Max Frequency 40 GHz
- Shielding Effectivity > 90 dB
- 78% Phase Velocity
- Triple Shielded
- ETFE Jacket

Applications

- General Purpose
- Test & Measurement
- Laboratory Use

Description

Pasternack's PE363-100CM 2.4mm male to 2.4mm male 100 cm cable using PE-P160 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 2.4mm to 2.4mm cable assembly has a male to male gender configuration with 50 ohm flexible PE-P160 coax. The PE363-100CM 2.4mm male to 2.4mm male cable assembly operates to 40 GHz. The triple shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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.

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

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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

PE363-100CM

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
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

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
Configuration	Straight	Straight
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

Environmental Specifications

Operating Range Temperature	-45 to +125 deg C

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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

PE363-100CM

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

Typical Performance Data

How to Order

Part Number Configuration:

PE363 - xx uu

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE363 — 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

PE363-100CM CAD Drawing

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