



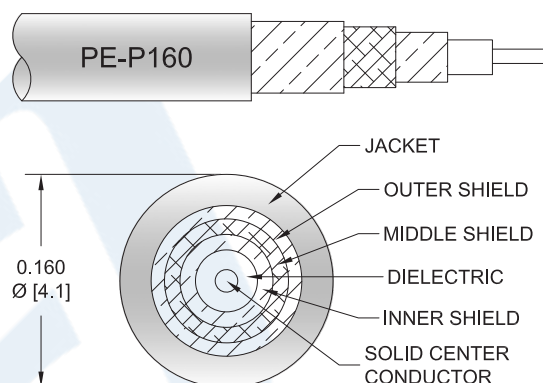
SMA Male to SMA Male Test Cable Using PE-P160 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE366

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: PE-P160



Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
VSWR			1.35:1	
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	18	26.5	GHz
Insertion Loss (Max.)	0.23 [0.75]	0.33 [1.08]	0.49 [1.61]	0.66 [2.17]	0.85 [2.79]	dB/ft [dB/m]

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as $.03 \times \sqrt{\text{F(GHz)}}$ dB per connector.

Mechanical Specifications

Cable Assembly

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: [SMA Male to SMA Male Test Cable Using PE-P160 Coax, RoHS PE366](#)



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Weight 0.05 lbs [22.68 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	SMA Male	SMA Male
Specification	MIL-STD-348	MIL-STD-348
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	PTFE	PTFE
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]
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700

Environmental Specifications

Temperature

Operating Range -45 to +125 deg C

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

Part Number Configuration:

PE366

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

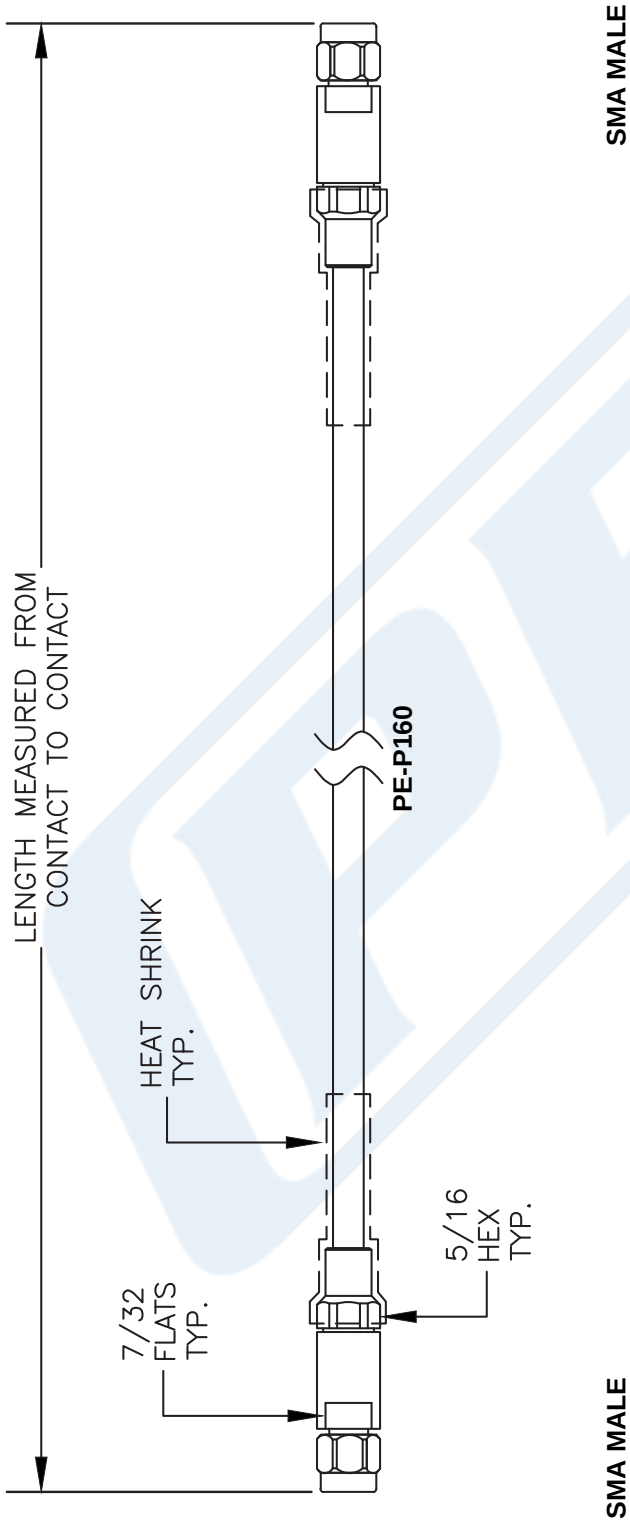
Example: PE366-12 = 12 inches long cable
PE366-100cm = 100 cm long cable

SMA Male to SMA Male Test Cable Using PE-P160 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Test Cable Using PE-P160 Coax, RoHS PE366](#)

URL: <http://www.pasternack.com/sma-male-sma-male-pe-p160-cable-assembly-pe366-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.



How To Order				DWG TITLE			
Part Number Configuration		Examples		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables	PE3	zzz	yy	-12	12"	-25CM	25Cm
			xx	-24	24"	-50CM	50Cm
			uu	-36	36"	-75CM	75Cm
				-48	48"	-100CM	100Cm
				-60	60"	-125CM	125Cm
CM = Centimeters < Blank > = Inches Length				-xx	Custom Length	-xxCM	Custom Length
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				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.			
FSCM NO. 53919				CAD FILE	061213	SCALE	N/A
						SIZE	A
							2233