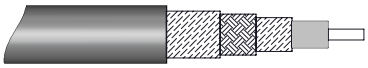
PASTERNACK®
THE ENGINEER'S RF SOURCE

3.5mm Male to 3.5mm Male Test Cable Using PE-P160 Coax, RoHS

RF Cable Assemblies Technical Data Sheet PE369

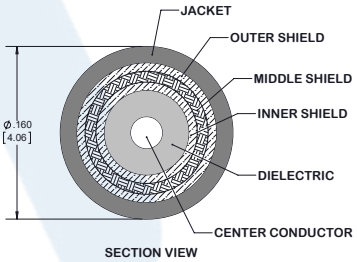
Configuration

- Connector 1: 3.5mm Male
- Connector 2: 3.5mm Male
- Cable Type: PE-P160



Features

- Max Frequency 34 GHz
- Shielding Effectivity > 90 dB
- 78% Phase Velocity
- Triple Shielded
- ETFE Jacket



Applications

- General Purpose
- Test & Measurement
- Laboratory Use

Description

Pasternack's PE369 3.5mm male to 3.5mm male test 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 3.5mm to 3.5mm cable assembly has a male to male gender configuration with 50 ohm flexible PE-P160 coax. The PE369 3.5mm male to 3.5mm male cable assembly operates to 34 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		34	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]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3.5mm Male to 3.5mm Male Test Cable Using PE-P160 Coax, RoHS PE369

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	18	34	GHz
Insertion Loss (Max.)	0.23	0.33	0.48	0.66	0.98	dB/ft
	0.75	1.08	1.57	2.17	3.22	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as .03 x square root (FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Diameter	0.33 in [8.38 mm]
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

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Connectors

Description	Connector 1	Connector 2
Type	3.5mm Male	3.5mm 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	PCTFE	PCTFE
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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE369 - xx uu

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE369 — Base Number

Example: PE369-12 = 12 inches long cable
PE369-100cm = 100 cm long cable

3.5mm Male to 3.5mm 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 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/3.5mm-male-3.5mm-male-pe-p160-cable-assembly-pe369-p.aspx

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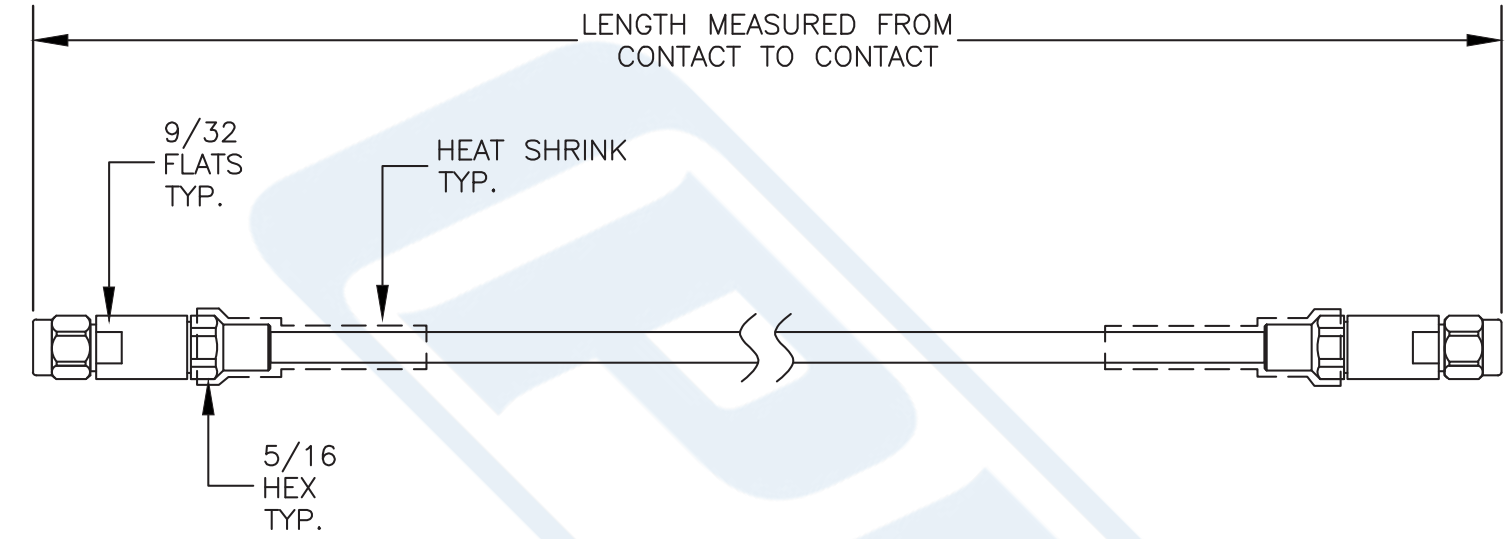
PE369 CAD Drawing

3.5mm Male to 3.5mm Male Test Cable Using PE-P160 Coax, RoHS



SMA MALE **SMA MALE**

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

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DWG TITLE

PE369

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