



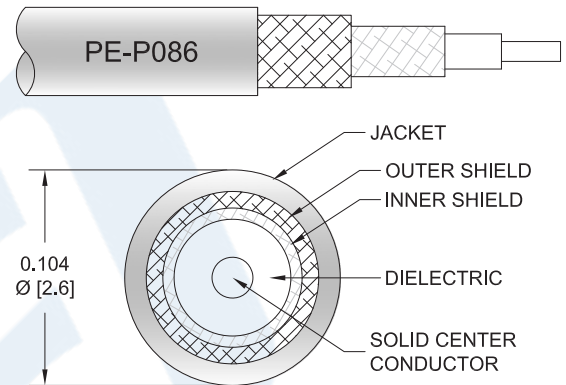
2.4mm Male to 2.92mm Male Cable 60 Inch Length Using PE-P086 Coax

RF Cable Assemblies Technical Data Sheet

PE3C0747-60

Configuration

- Connector 1: 2.4mm Male
- Connector 2: 2.92mm Male
- Cable Type: PE-P086



Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.4:1	
Insertion Loss			1.9	dB
Velocity of Propagation		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20	40	GHz
Insertion Loss (Max.)	1.8	2.72	4.01	6.94	9.13	dB
Insertion Loss (Typ.)	1.65	2.47	3.66	5.44	8.13	dB
VSWR (Max.)	1.3:1	1.3:1	1.3:1	1.3:1	1.4:1	

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 2.92mm Male Cable 60 Inch Length Using PE-P086 Coax PE3C0747-60](#)





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Mechanical Specifications

Cable Assembly

Length* 60 in [152.4 cm]
 Diameter 0.312 in [7.92 mm]

Cable

Cable Type PE-P086
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Tape
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Blue
 Jacket Diameter 0.104 in [2.64 mm]

One Time Minimum Bend Radius 0.4 in [10.16 mm]
 Repeated Minimum Bend Radius 1.6 in [40.64 mm]

Connectors

Description	Connector 1	Connector 2
Type	2.4mm Male	2.92mm Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	
Dielectric Type	PPO	
Body Material and Plating	Passivated Stainless Steel	
Coupling Nut Material and Plating	Passivated Stainless Steel	
Hex Size	5/16 in.	5/16 Inch
Torque	8 in-lbs [0.9 Nm]	

Mechanical Specification Notes:

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

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

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Length Using PE-P086 Coax

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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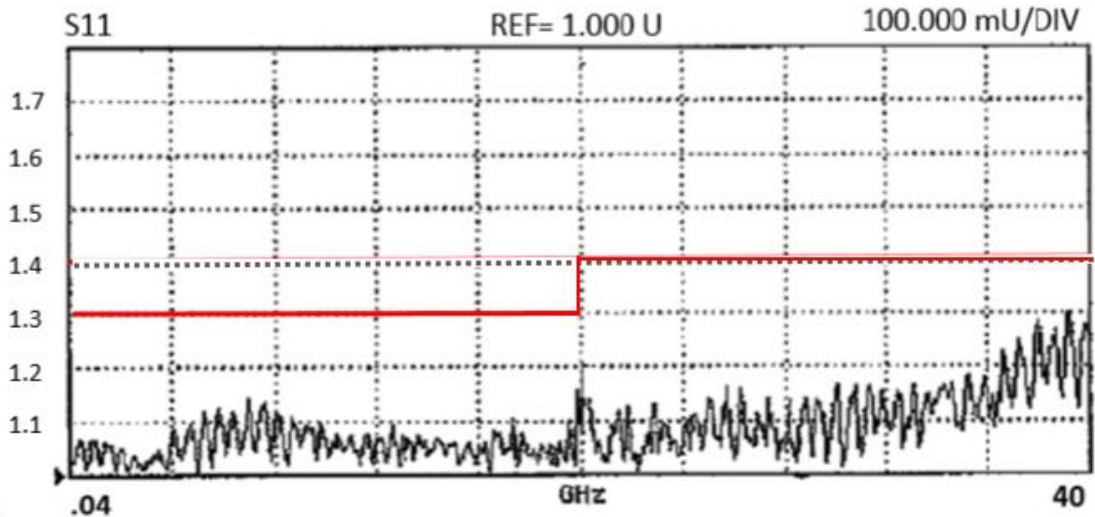
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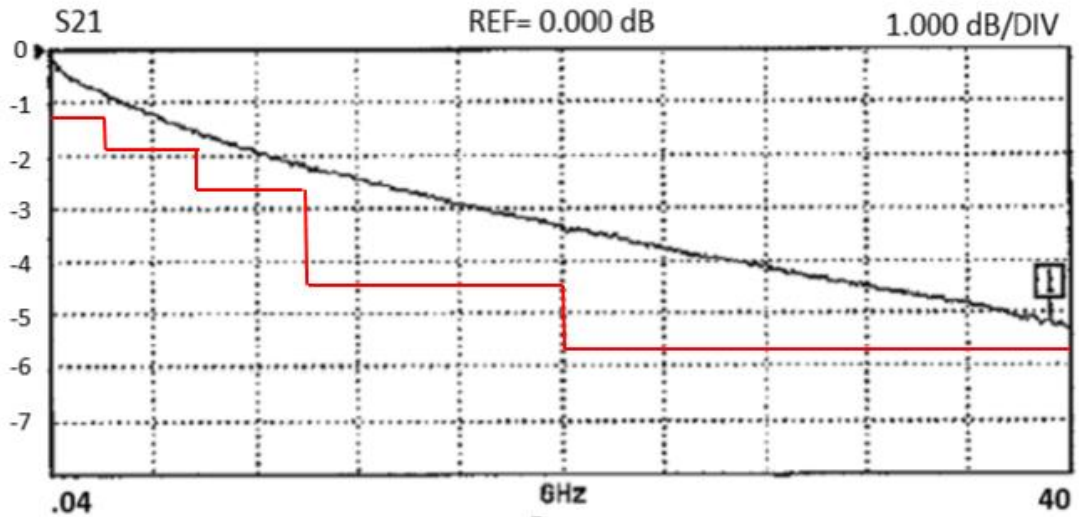
PE3C0747-60

Typical Performance Data

PE3C0747-36 VSWR



PE3C0747-36 Insertion Loss (dB)



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2.4mm Male to 2.92mm Male Cable 60 Inch
Length Using PE-P086 Coax

RF Cable Assemblies Technical Data Sheet

PE3C0747-60

How to Order

Part Number Configuration:

PE3C0747

- **xx**

uu

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

Example: PE3C0747-12 = 12 inches long cable
PE3C0747-100cm = 100 cm long cable

2.4mm Male to 2.92mm Male Cable 60 Inch Length Using PE-P086 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.

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URL: <https://www.pasternack.com/2.4mm-male-2.92mm-male-pe-p086-cable-assembly-pe3c0747-60-p.aspx>

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