

2.4mm Male to BNC Male Cable Using PE-P086 Coax



PE3C9288

Configuration

- Connector 1: 2.4mm Male
- Connector 2: BNC Male
- Cable Type: PE-P086
- Coax Flex Type: Flexible

Features

- Max Frequency 4 GHz
- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

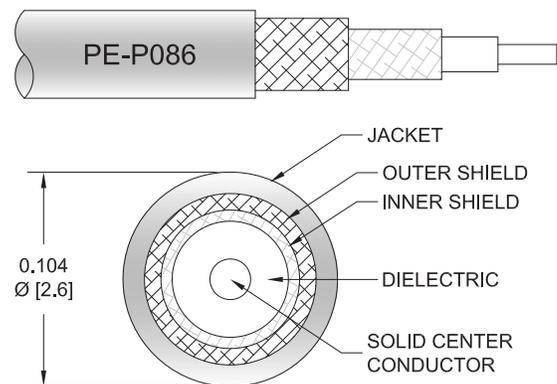
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C9288 2.4mm male to BNC male cable using PE-P086 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 BNC cable assembly has a male to male gender configuration with 50 ohm flexible PE-P086 coax. The PE3C9288 2.4mm male to BNC male cable assembly operates to 4 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	Units	Weight (lbs)
			Frequency	1000	4000	
PE3C9288	Custom Lengths Available	Insertion Loss (Typ.)	0.211	0.437	dB/ft	
			0.7	1.44	dB/m	
PE3C9288-6	6 inch	Insertion Loss (Typ.)	0.46	0.57	dB	0.583
PE3C9288-12	12 inch	Insertion Loss (Typ.)	0.57	0.79	dB	0.589
PE3C9288-24	24 inch	Insertion Loss (Typ.)	0.78	1.23	dB	0.603
PE3C9288-36	36 inch	Insertion Loss (Typ.)	0.99	1.67	dB	0.616
PE3C9288-48	48 inch	Insertion Loss (Typ.)	1.2	2.1	dB	0.629

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.25 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.589 pounds
Additional Weight per Inch:	0.00109 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.589 lbs [267.17 g]

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]
Repeated Minimum Bend Radius	0.5 in [12.7 mm]

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Connectors

Description	Connector 1	Connector 2
Type	2.4mm Male	BNC Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Brass, Gold
Contact Plating Specification	MIL-G-45204	30 µin minimum
Dielectric Type	PPO	PTFE
Body Material and Plating	Passivated Stainless Steel	Brass, Gold
Body Plating Specification	ASTM-A380	3 µin minimum
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Specification	ASTM-A380	100 µin minimum
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

Environmental Specifications

Operating Range Temperature -55 to +100 deg C

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

Plotted and Other Data

Notes:

2.4mm Male to BNC Male Cable Using PE-P086 Coax



PE3C9288

Typical Performance Data

How to Order

Part Number Configuration:

PE3C9288

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C9288-12 = 12 inches long cable
PE3C9288-100cm = 100 cm long cable

2.4mm Male to BNC Male Cable 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.

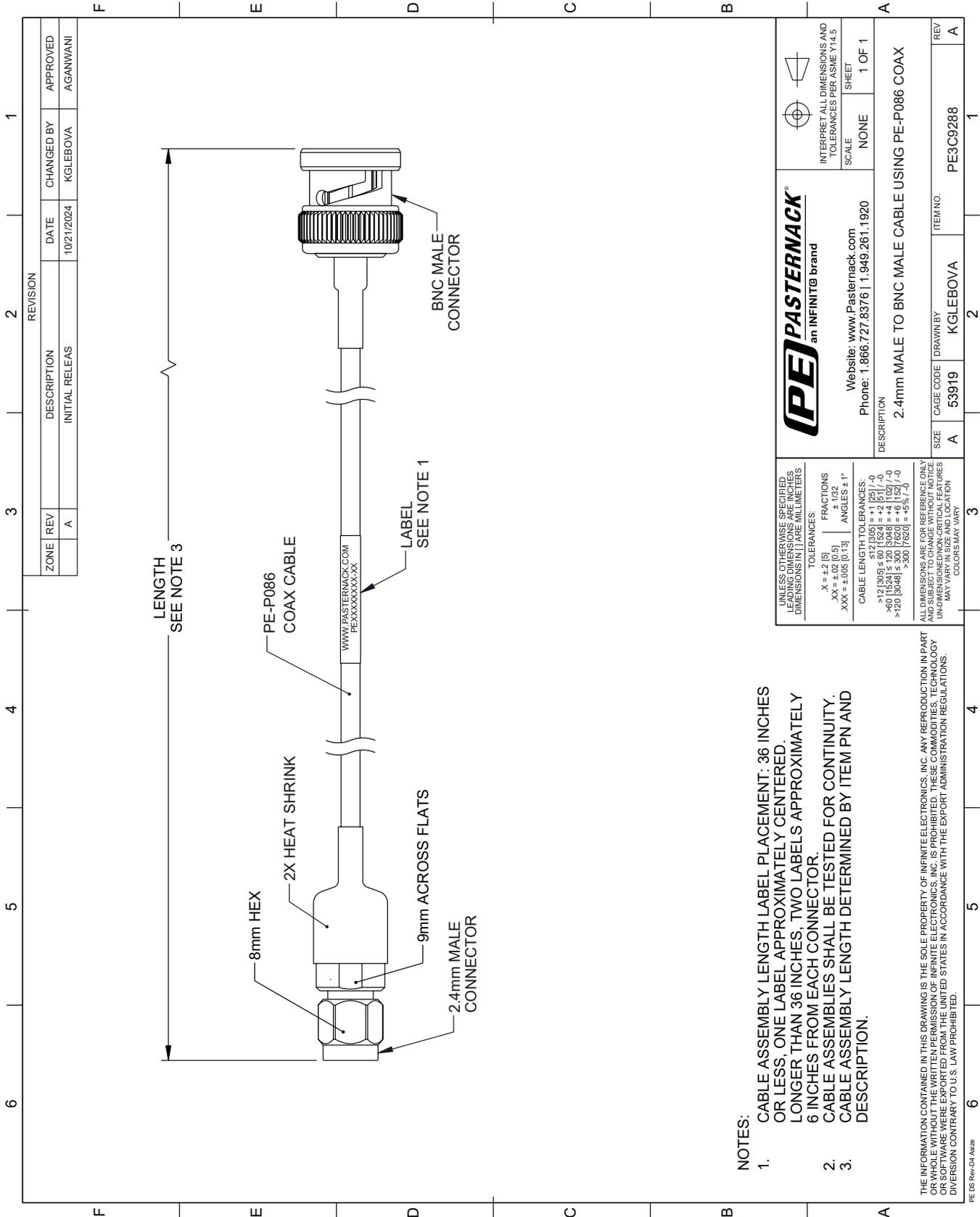
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to BNC Male Cable Using PE-P086 Coax PE3C9288](#)

URL: <https://www.pasternack.com/2.4mm-male-to-bnc-male-cable-using-pe-p086-pe3c9288-p.aspx>

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PE3C9288 CAD Drawing

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NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS
 ± 1/32

ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 <12 [305] ≤ 60 [1524] = ±.1 [25]
 >60 [1524] ≤ 120 [3048] = ±.4 [102]
 >120 [3048] ≤ 300 [7620] = ±.6 [15]

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Website: www.Pasternack.com
 Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
 SHEET: 1 OF 1

DESCRIPTION
 2.4mm MALE TO BNC MALE CABLE USING PE-P086 COAX

SIZE	A	CAGE CODE	53919	DRAWN BY	KGLEBOVA	ITEM NO.	PE3C9288
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