

## SMA Male to SMA Male Cable Using RG393 Coax

### PE33486

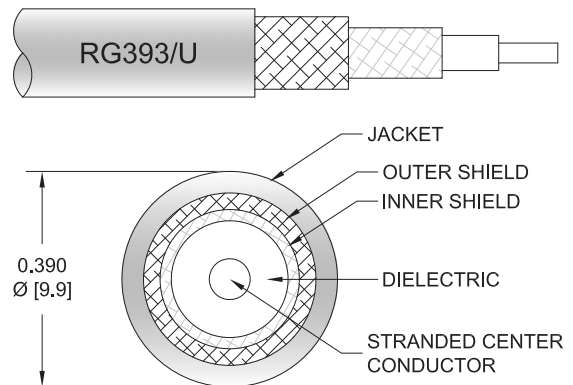


#### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: RG393
- Coax Flex Type: Flexible

#### Features

- Max Frequency 10 GHz
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33486 SMA male to SMA male cable using RG393 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 SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE33486 SMA male to SMA male cable assembly operates to 10 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		10	GHz
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2500	5000	10000	MHz	
PE33486	Custom Lengths Available	Insertion Loss (Typ.)	0.045	0.075	0.125	0.21	0.35	dB/ft	
			0.15	0.25	0.42	0.69	1.15	dB/m	
PE33486-12	12 inch	Insertion Loss (Typ.)	0.25	0.28	0.33	0.41	0.55	dB	0.327
PE33486-24	24 inch	Insertion Loss (Typ.)	0.29	0.35	0.45	0.62	0.9	dB	0.491
PE33486-36	36 inch	Insertion Loss (Typ.)	0.34	0.43	0.58	0.83	1.25	dB	0.654
PE33486-60	60 inch	Insertion Loss (Typ.)	0.43	0.58	0.83	1.25	1.95	dB	0.98
PE33486-72	72 inch	Insertion Loss (Typ.)	0.47	0.65	0.95	1.46	2.3	dB	1.143

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: 0.1 dB  
 Loss due to Connector 2: 0.1 dB  
 Base Weight: 0.327 pounds  
 Additional Weight per Inch: 0.01359 pounds

## Mechanical Specifications

### Cable Assembly

Weight 0.327 lbs [148.32 g]

### Cable

Cable Type RG393  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Number of Shields 2  
 Shield Layer 1 Silver Plated Copper Braid  
 Shield Layer 2 Silver Plated Copper Braid  
 Jacket Material FEP, Tan  
 Jacket Diameter 0.39 in [9.91 mm]

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### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum
Hex Size	5/16 in	5/16 in
Torque	5 in-lbs 0.57 Nm	5 in-lbs 0.57 Nm

### Environmental Specifications

Operating Range Temperature -55 to +165 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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### PE33486

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE33486**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: PE33486-12 = 12 inches long cable  
PE33486-100cm = 100 cm long cable

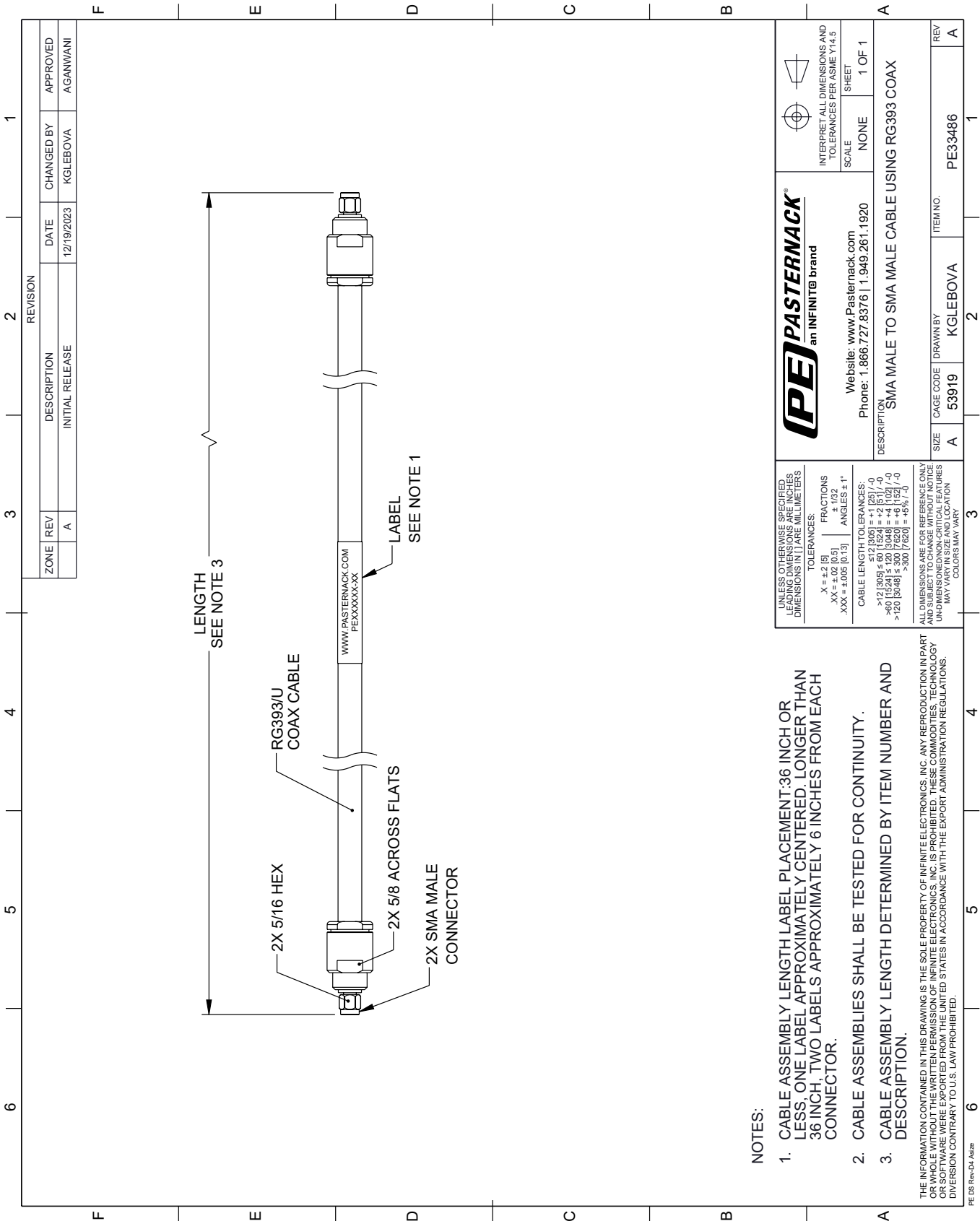
SMA Male to SMA Male Cable Using RG393 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Cable Using RG393 Coax PE33486](https://www.pasternack.com/sma-male-to-sma-male-cable-using-rg393-pe33486-p.aspx)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-rg393-pe33486-p.aspx>

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PE33486 CAD Drawing
SMA Male to SMA Male Cable Using RG393 Coax



NOTES:

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

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TOLERANCES:		Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a>		SCALE			
X = ±.2 [5]		Phone: 1.866.727.8376   1.949.261.1920		NONE			
.XX = ±.02 [0.5]		DESCRIPTION		SHEET			
.XXX = ±.005 [0.13]		SMA MALE TO SMA MALE CABLE USING RG393 COAX		1 OF 1			
FRACTIONS ± 1/32							
ANGLES ± 1°							
CABLE LENGTH TOLERANCES:							
±12 [305] ≤ 60 [1524] = ±1 [25] / -0							
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0							
>120 [3048] ≤ 300 [7620] = ±5% / -0							
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.							
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV			
A	53919	KGLEBOVA	PE33486	A			