



2.92mm Male to 2.92mm Male Precision Cable  
48 Inch Length Using 095 Series Coax, RoHS

TECHNICAL DATA SHEET

PE35591-48

**2.92mm Male to 2.92mm Male Precision Cable 48 Inch Length Using 095 Series Coax, RoHS**

**Configuration**

Connector 1	2.92mm Male
Connector 2	2.92mm Male
Cable Type	095 Series

**Electrical Specifications**

Frequency Range, GHz	DC to 40
Impedance, Ohms	50
Maximum VSWR	1.4:1
Velocity of Propagation, %	69.5
RF Shielding, dB	90
Maximum Operating Voltage, Vrms	1,200

**Typical Performance by Frequency**

**Frequency 1**

Frequency, GHz	2
VSWR	1.05:1
Insertion Loss	0.3 dB/ft [ 0.98 dB/m ]

**Frequency 2**

Frequency, GHz	8
VSWR	1.1:1
Insertion Loss	0.58 dB/ft [ 1.9 dB/m ]

**Frequency 3**

Frequency, GHz	16
VSWR	1.1:1
Insertion Loss	1 dB/ft [ 3.28 dB/m ]

**Frequency 4**

Frequency, GHz	24
VSWR	1.2:1
Insertion Loss	1.3 dB/ft [ 4.27 dB/m ]

**Frequency 5**

Frequency, GHz	32
VSWR	1.22:1
Insertion Loss	1.8 dB/ft [ 5.91 dB/m ]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Precision Cable 48 Inch Length Using 095 Series Coax, RoHS PE35591-48](#)

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.



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**Frequency 6**

Frequency, GHz	40
VSWR	1.29:1
Insertion Loss	2.2 dB/ft [ 7.22 dB/m ]

Electrical Specification Notes:

Short lengths up to 24" long may exhibit VSWR measurements up to 9% higher.

**Mechanical Specifications**

**Cable Assembly**

Cable Type	095 Series
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**Temperature**

Temperature Operating Range, deg C	-48 to +204
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**Size**

Length, in [cm]	48 [121.92]
One Time Minimum Bend Radius, in [mm]	1 [25.4]

**Cable**

Center Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel, Silver
No of Shields	2
Dielectric Type	PTFE
Jacket Material	FEP
Jacket Diameter, in [mm]	0.095 [2.41]

**Connector 1**

Type	2.92mm Male
Configuration	Straight
Inner Conductor Material and Plating	Brass, Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	Noryl

**Connector 2**

Type	2.92mm Male
Configuration	Straight
Inner Conductor Material and Plating	Brass, Gold
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]

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Body Material and Plating  
Dielectric Type

Passivated Stainless Steel  
Noryl

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant

Yes

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

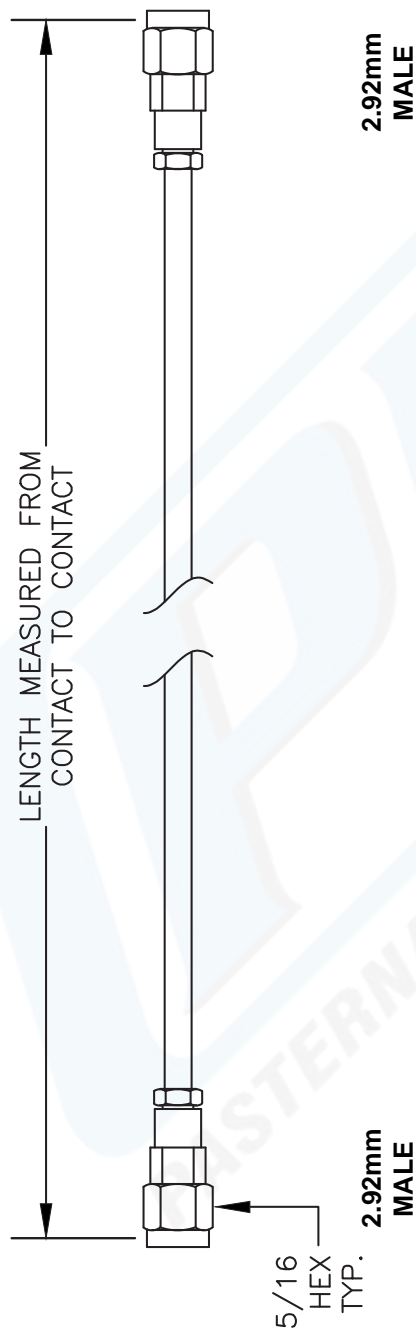
2.92mm Male to 2.92mm Male Precision Cable 48 Inch Length Using 095 Series Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Precision Cable 48 Inch Length Using 095 Series Coax, RoHS PE35591-48](http://www.pasternack.com/2.92mm-male-2.92mm-male-095-series-cable-assembly-pe35591-48-p.aspx)


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**PE35591-48 CAD Drawing**  
2.92mm Male to 2.92mm Male Precision Cable 48 Inch  
Length Using 095 Series Coax, RoHS



How To Order					
<div>Part Number Configuration</div> <div>PE3 <div>zzz</div> <div>yy</div> - <div>xx</div> <div>uu</div></div> <div>00 - 99999</div> <div>LF = RoHS Compliant</div> <div>&lt; Blank &gt; = Standard</div> <div>Note: LF applies only to RF cables</div>		<div>Examples</div> <div>PE3000LF-100</div> <div>PE3000-100</div> <div>PE3000LF-100CM</div> <div>PE3000-100CM</div>			
		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
		-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		

**PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

**DWG TITLE**  
**PE35591**

**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.

<b>FSCM NO. 53919</b>	<b>CAD FILE</b> 012108	<b>SCALE</b> N/A	<b>SIZE</b> A	2233
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