



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

TECHNICAL DATA SHEET

PE35591-6

2.92mm Male to 2.92mm Male Precision Cable 6 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 6 Inch Length Using 095 Series Coax, RoHS PE35591-6](#)

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 [mm]	6 [152.4]
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 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 6 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.

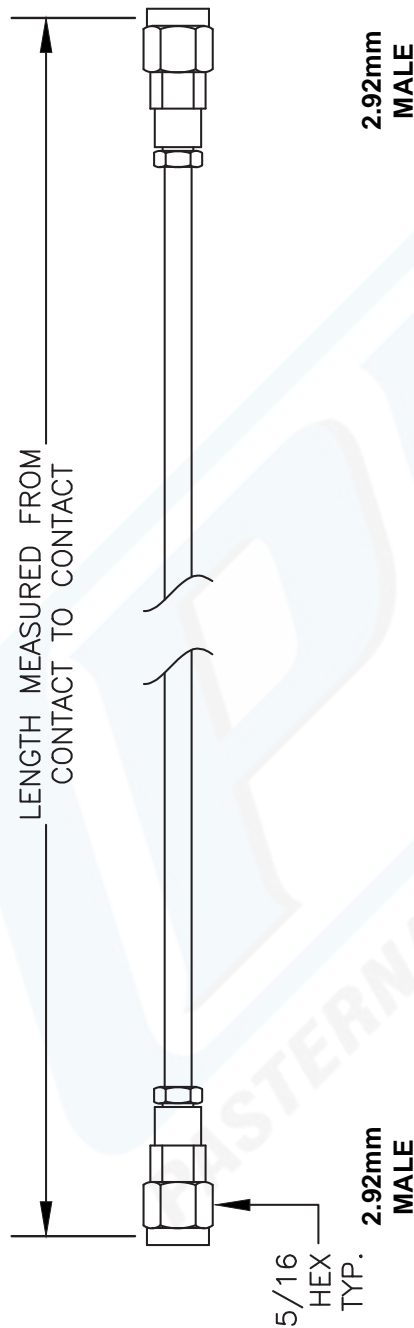
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PE35591-6 CAD Drawing

2.92mm Male to 2.92mm Male Precision Cable 6 Inch
Length Using 095 Series Coax, RoHS



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

FSCM NO. 53919

CAD FILE 012108

SCALE N/A

SIZE A

2233