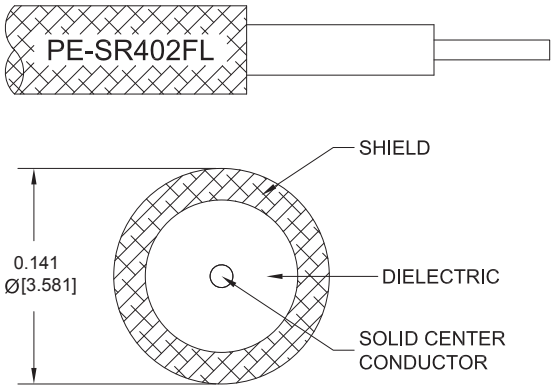
3.5mm Male to TNC Male Right Angle Cable Using PE-SR402FL Coax

PE3C10077

Configuration

- Connector 1: 3.5mm Male
- Connector 2: TNC Male Right Angle
- Cable Type: PE-SR402FL
- Coax Flex Type: Formable



Features

- Max Frequency 6 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C10077 3.5mm male to TNC male right angle cable using PE-SR402FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack 3.5mm to TNC cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE3C10077 3.5mm male to TNC male cable assembly operates to 6 GHz. The right angle TNC interface on the PE-SR402FL cable allows for easier connections in tight spaces.

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		6	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		7.8 [25.59]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		5.5 [18.04]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	500	1000	2500	6000	MHz	
PE3C10077	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.12	0.183	0.322	dB/ft	
			0.27	0.4	0.61	1.06	dB/m	
PE3C10077-6	6 Inch	Insertion Loss (Typ.)	0.27	0.3	0.36	0.46	dB	0.07
PE3C10077-9	9 Inch	Insertion Loss (Typ.)	0.29	0.33	0.41	0.54	dB	0.076
PE3C10077-12	12 Inch	Insertion Loss (Typ.)	0.31	0.36	0.45	0.62	dB	0.082
PE3C10077-18	18 Inch	Insertion Loss (Typ.)	0.35	0.42	0.54	0.79	dB	0.095
PE3C10077-24	24 Inch	Insertion Loss (Typ.)	0.39	0.48	0.63	0.95	dB	0.108

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:	0.2	dB
Loss due to Connector 2:	0.04*SQRT(FGHz)	dB
Base Weight:	0.082	pounds
Additional Weight per Inch:	0.00209	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.082 lbs [37.19 g]

Cable

Cable Type	PE-SR402FL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Outer Conductor 1 Material and Plating	Tinned Copper Braid
Repeated Minimum Bend Radius	0.625 in [15.88 mm]

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Connectors

Description	Connector 1	Connector 2
Type	3.5mm Male	TNC Male Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Brass, Gold over Nickel
Contact Plating Specification	50 µin minimum	
Dielectric Type	PCTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Brass, Nickel
Body Plating Specification	SAE-AMS-2700	
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Specification	SAE-AMS-2700	
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **PE3C10077 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C10077 — Base Number

Example: PE3C10077-12 = 12 inches long cable
PE3C10077-100cm = 100 cm long cable

3.5mm Male to TNC Male Right Angle Cable Using PE-SR402FL 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: 3.5mm Male to TNC Male Right Angle Cable Using PE-SR402FL Coax PE3C10077

URL: https://www.pasternack.com/3.5mm-male-to-tnc-male-cable-using-pe-sr402fl-pe3c10077-p.aspx

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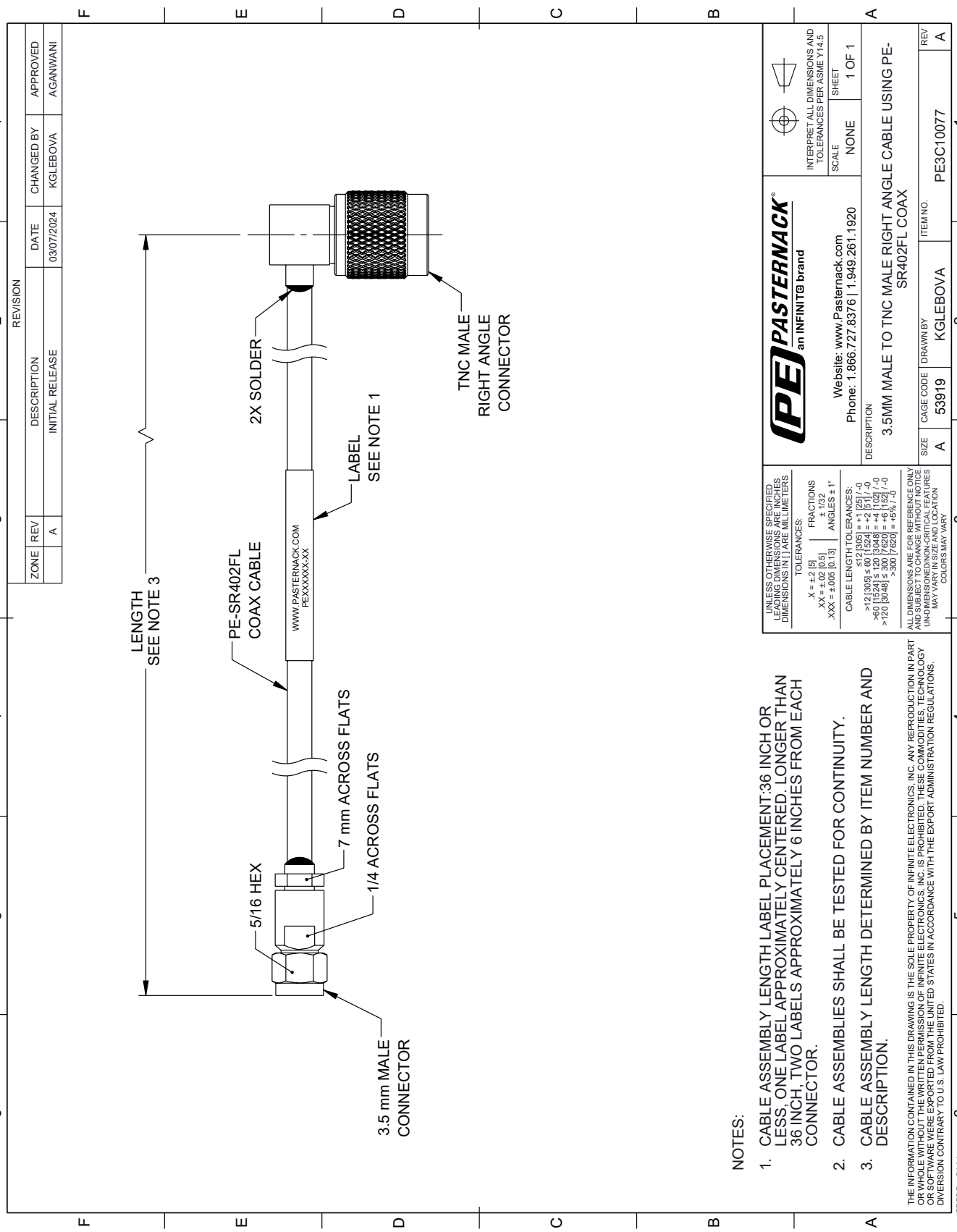
PE3C10077 CAD Drawing

3.5mm Male to TNC Male Right Angle Cable Using PE-SR402FL Coax



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