

TNC Male Right Angle to TNC Male Cable
Using PE-P160LL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

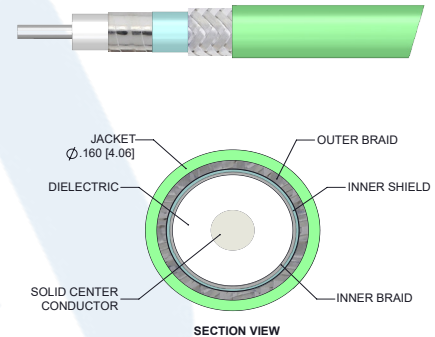
PE3C5252LF

Configuration

- Connector 1: TNC Male Right Angle
- Connector 2: TNC Male
- Cable Type: PE-P160LL

Features

- Max Frequency 18 GHz
- 82.5% Phase Velocity
- Triple Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C5252LF TNC male right angle to TNC male cable using PE-P160LL 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 TNC to TNC cable assembly has a male to male gender configuration with 50 ohm flexible PE-P160LL coax. The PE3C5252LF TNC male to TNC male cable assembly operates to 18 GHz. The right angle TNC interface on the PE-P160LL cable allows for easier connections in tight spaces. The triple 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder PE3C5252LF](#)

TNC Male Right Angle to TNC Male Cable
Using PE-P160LL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5252LF

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.5:1	
Velocity of Propagation		82.5		%
Capacitance		25 [82.02]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	1.099996	1.143	1.2175	1.3134	1.46	dB/ft
	3.61	3.75	3.99	4.31	4.79	dB/m
VSWR (Max.)	1.35:1	1.35:1	1.35:1	1.35:1	1.35:1	
Return Loss (Max.)	16.63	16.625	16.625	16.625	16.625	dB

Mechanical Specifications

Cable Assembly

Weight 0.132 lbs [59.87 g]

Cable

Cable Type PE-P160LL
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper, Silver
Dielectric Type PTFE
Number of Shields 3
Shield Layer 1 Silver Plated Copper
Shield Layer 2 Aluminum Polyester
Shield Layer 3 Silver Plated Copper
Jacket Material FEP, Green
Jacket Diameter 0.16 in [4.06 mm]

Repeated Minimum Bend Radius 0.8 in [20.32 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder PE3C5252LF](#)

TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5252LF

Connectors

Description	Connector 1	Connector 2
Type	TNC Male Right Angle	TNC Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM-B488	ASTM-B488
Dielectric Type	PTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder PE3C5252LF](#)

TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C5252LF

How to Order

Part Number Configuration:

PE3C5252LF**- xx****uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3C5252LF-12 = 12 inches long cable
PE3C5252LF-100cm = 100 cm long cable

TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder 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.

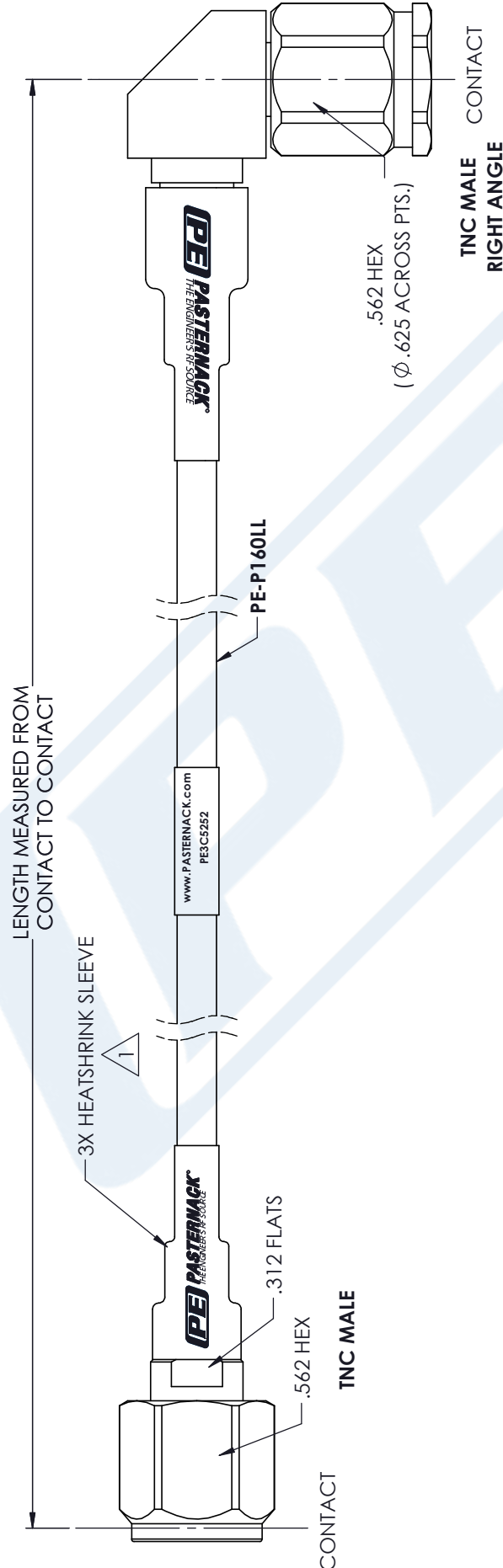
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder PE3C5252LF](#)

URL: <https://www.pasternack.com/tnc-male-right-angle-to-tnc-male-cable-using-pe-p160ll-lf-solder-pe3c5252lf-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3C5252LF CAD Drawing

TNC Male Right Angle to TNC Male Cable Using PE-P160LL Coax , LF Solder



NOTES:

1. BLACK HEAT SHRINK WITH WHITE MARKINGS 3 PLACES.

STANDARD TOLERANCES

.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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

PE3C5252

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].

CAGE CODE 53919

CAD FILE 07/13/18

SCALE N/A

SIZE A

CN2379