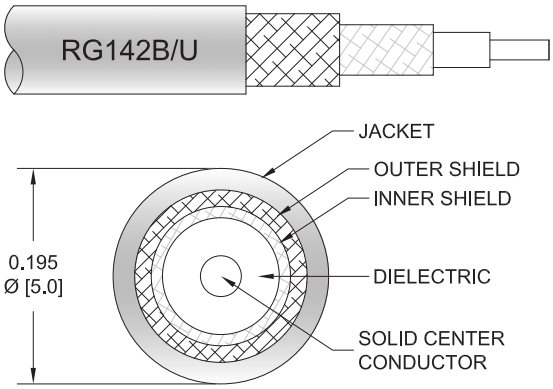
TNC Male Right Angle to TNC Male Right Angle Cable Using RG142 Coax



PE3W15264

Configuration

- Connector 1: TNC Male Right Angle
- Connector 2: TNC Male Right Angle
- Cable Type: RG142
- Coax Flex Type: Flexible



Features

- Max Frequency 8 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W15264 TNC male right angle to TNC male right angle cable using RG142 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 RG142 coax. The PE3W15264 TNC male to TNC male cable assembly operates to 8 GHz. The right angle TNC interfaces on the RG142 cable allow for easier connections in tight spaces. 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		8	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	500	1000	2000	4000	MHz	
PE3W15264	Custom Lengths Available	Insertion Loss (Typ.)	0.09	0.13	0.184	0.28	dB/ft	
			0.29	0.43	0.61	0.92	dB/m	
PE3W15264-12	12 inch	Insertion Loss (Typ.)	0.49	0.53	0.59	0.68	dB	0.218
PE3W15264-24	24 inch	Insertion Loss (Typ.)	0.58	0.66	0.77	0.96	dB	0.26
PE3W15264-36	36 inch	Insertion Loss (Typ.)	0.67	0.79	0.96	1.24	dB	0.302
PE3W15264-48	48 inch	Insertion Loss (Typ.)	0.75	0.92	1.14	1.52	dB	0.344
PE3W15264-60	60 inch	Insertion Loss (Typ.)	0.84	1.05	1.32	1.8	dB	0.386

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:	0.2	dB
Base Weight:	0.218	pounds
Additional Weight per Inch:	0.0035	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.218 lbs [98.88 g]

Cable

Cable Type	RG142
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, 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	0.195 in [4.95 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Male Right Angle	TNC Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
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

Environmental Specifications

Operating Range Temperature	-55 to +165 deg C

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: **PE3W15264 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W15264 — Base Number

Example: PE3W15264-12 = 12 inches long cable
PE3W15264-100cm = 100 cm long cable

TNC Male Right Angle to TNC Male Right Angle Cable Using RG142 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: TNC Male Right Angle to TNC Male Right Angle Cable Using RG142 Coax PE3W15264

URL: https://www.pasternack.com/tnc-male-right-angle-to-tnc-male-cable-using-rg142-pe3w15264-p.aspx

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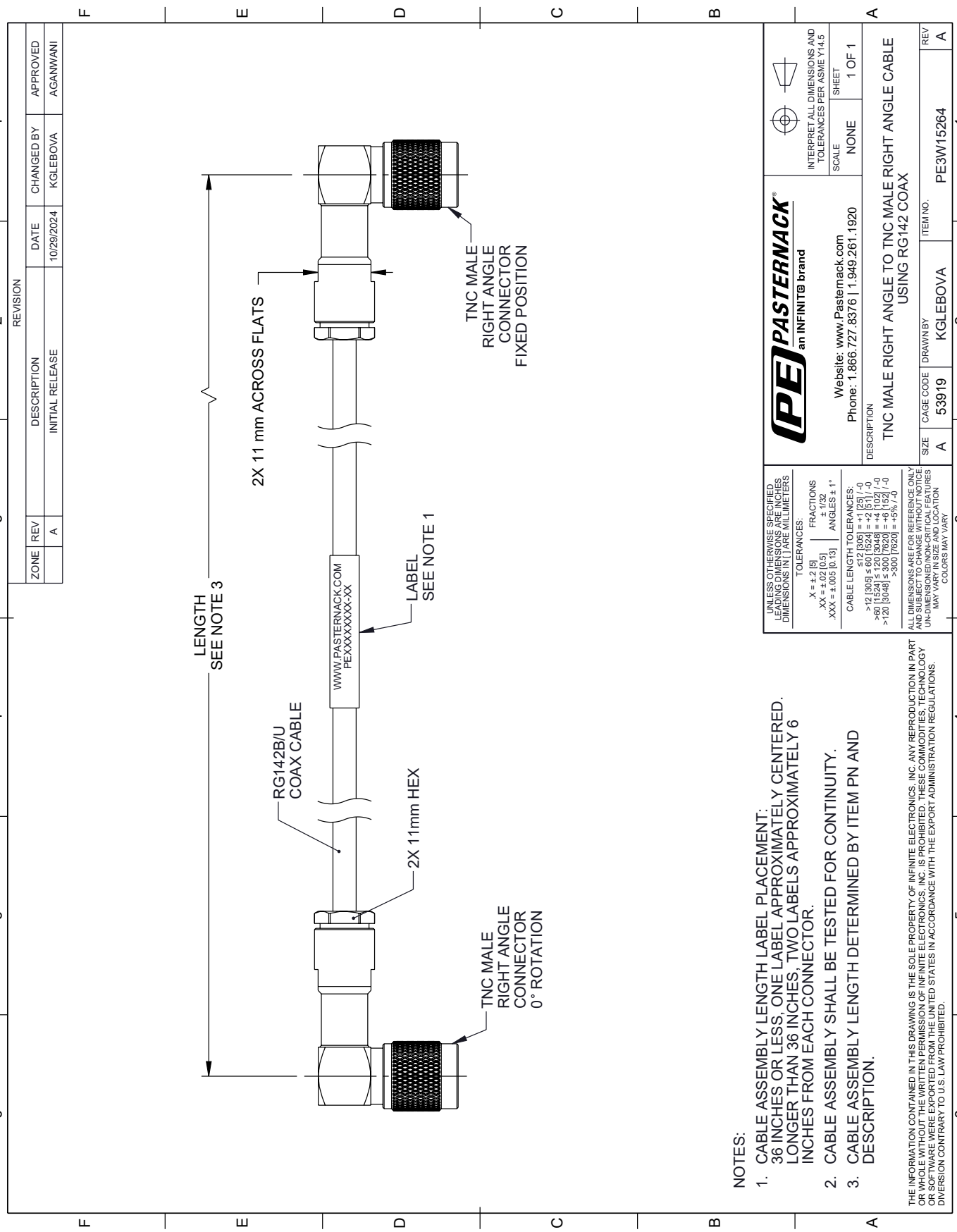
PE3W15264 CAD Drawing

TNC Male Right Angle to TNC Male Right Angle Cable Using RG142 Coax



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