

N Male to TNC Male Right Angle Cable Using RG58 Coax



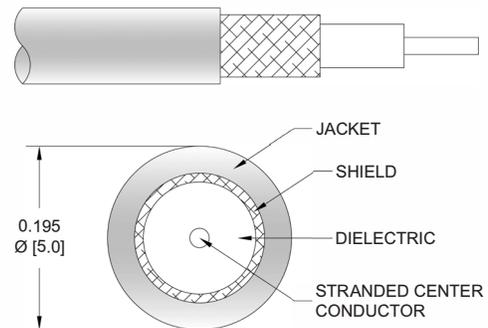
PE35787

Configuration

- Connector 1: N Male
- Connector 2: TNC Male Right Angle
- Cable Type: RG58
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- Shielding Effectivity > 45 dB
- 65.9% Phase Velocity
- PVC (NC) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE35787 type N male to TNC male right angle cable using RG58 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 type N to TNC cable assembly has a male to male gender configuration with 50 ohm flexible RG58 coax. The PE35787 type N male to TNC male cable assembly operates to 3 GHz. The right angle TNC interface on the RG58 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		3	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
RF Shielding	45			dB
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE35787	Custom Lengths Available	Insertion Loss (Typ.)	0.049	0.074	0.116	0.2	0.4	dB/ft	
			0.17	0.25	0.39	0.66	1.32	dB/m	
PE35787-12	12 inch	Insertion Loss (Typ.)	0.35	0.38	0.42	0.5	0.7	dB	0.154
PE35787-24	24 inch	Insertion Loss (Typ.)	0.4	0.45	0.54	0.7	1.1	dB	0.178
PE35787-36	36 inch	Insertion Loss (Typ.)	0.45	0.53	0.65	0.9	1.5	dB	0.202
PE35787-48	48 inch	Insertion Loss (Typ.)	0.5	0.6	0.77	1.1	1.9	dB	0.226
PE35787-200CM	200 cm	Insertion Loss (Typ.)	0.63	0.79	1.07	1.62	2.93	dB	0.53

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:	0.1 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.154 pounds
Additional Weight per Inch:	0.002 pounds

Mechanical Specifications

Cable Assembly

Weight 0.154 lbs [69.85 g]

Cable

Cable Type	RG58
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	2 in [50.8 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	TNC Male Right Angle
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Silver	Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

Environmental Specifications

Operating Range Temperature -40 to +80 deg C

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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Typical Performance Data

How to Order

Part Number Configuration:



Example: PE35787-12 = 12 inches long cable
PE35787-100cm = 100 cm long cable

N Male to TNC Male Right Angle Cable Using RG58 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.

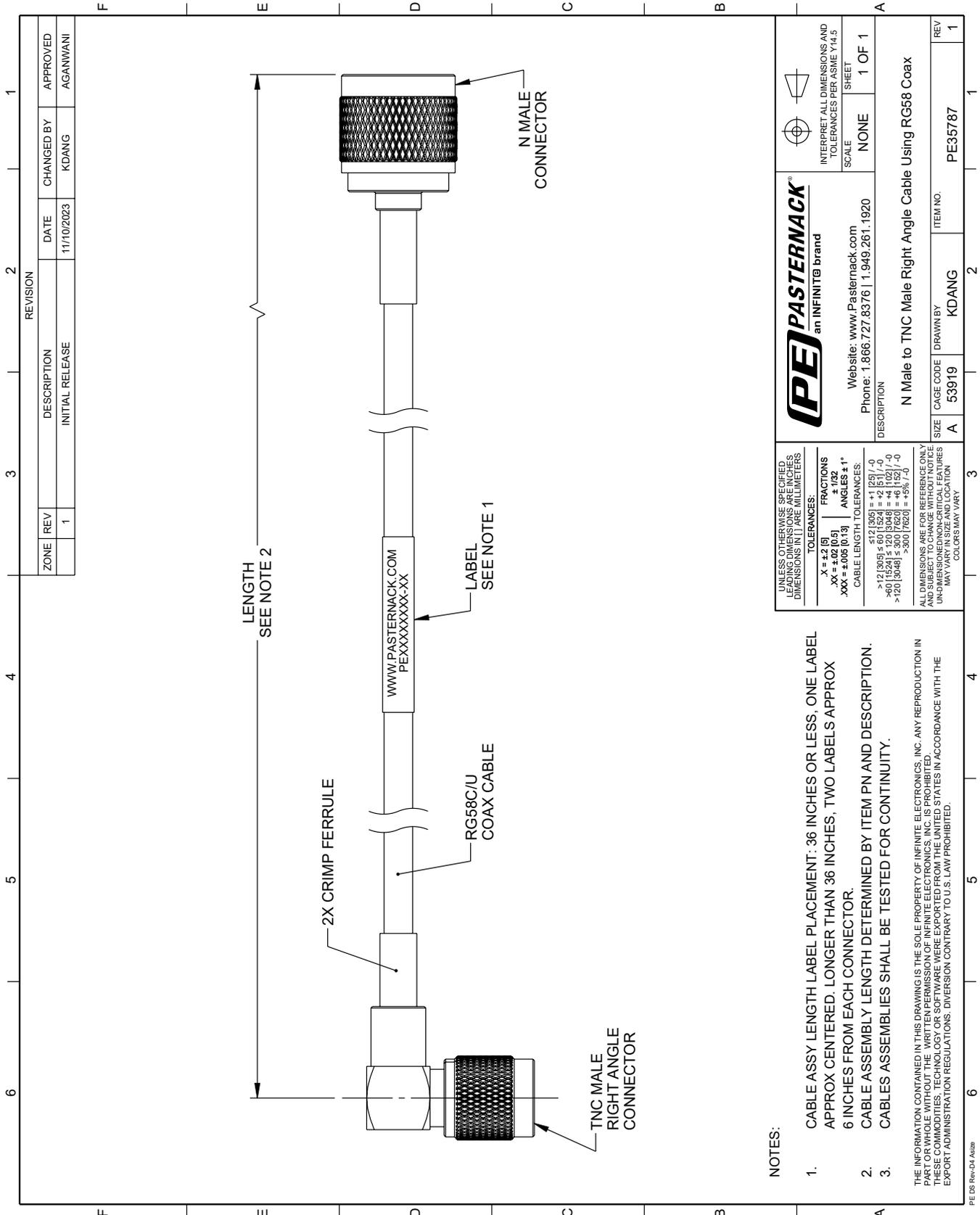
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to TNC Male Right Angle Cable Using RG58 Coax PE35787](#)

URL: <https://www.pasternack.com/n-male-to-tnc-male-cable-using-rg58-pe35787-p.aspx>

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PE35787 CAD Drawing

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NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: .36 INCHES OR LESS, ONE LABEL APPROX CENTERED, LONGER THAN .36 INCHES, TWO LABELS APPROX .6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	
CABLE LENGTH TOLERANCES:	
<12 [305]	±.1 [2.5] / -0
>12 [305] ≤ 60 [1524]	±.2 [5] / -0
>60 [1524] ≤ 120 [3048]	±.4 [1027] / -0
>120 [3048]	±.8 [2032] / -0
>300 [7620]	±.9% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.



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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION: N Male to TNC Male Right Angle Cable Using RG58 Coax

SIZE: A	CAGE CODE: 53919	DRAWN BY: KDANG	ITEM NO.: PE35787	REV: 1
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