

SMA Male to TNC Female Bulkhead Cable Using RG400 Coax , LF Solder



RF Cable Assemblies Technical Data Sheet

PE33757LF

Configuration

- Connector 1: SMA Male
- Connector 2: TNC Female Bulkhead
- Cable Type: RG400

Features

- Max Frequency 4 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33757LF SMA male to TNC female bulkhead cable using RG400 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 SMA to TNC cable assembly has a male to female gender configuration with 50 ohm flexible RG400 coax. The PE33757LF SMA male to TNC female cable assembly operates to 4 GHz. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to TNC Female Bulkhead Cable Using RG400 Coax , LF Solder PE33757LF](#)

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.044	0.061	0.089	0.147	0.306	dB/ft
	0.14	0.2	0.29	0.48	1	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight	0.099 lbs [44.91 g]
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Cable

Cable Type	RG400
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, 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	SMA Male	TNC Female Bulkhead
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	50 μ in minimum	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 μ in minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

Environmental Specifications

Temperature

Operating Range

-55 to +200 deg C

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

Plotted and Other Data

Notes:

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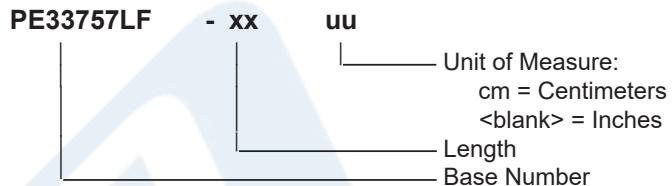
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How to Order

Part Number Configuration:



Example: PE33757LF-12 = 12 inches long cable
PE33757LF-100cm = 100 cm long cable

SMA Male to TNC Female Bulkhead Cable Using RG400 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: [SMA Male to TNC Female Bulkhead Cable Using RG400 Coax , LF Solder PE33757LF](#)

URL: <https://www.pasternack.com/sma-male-to-tnc-female-bulkhead-cable-using-rg400-lf-solder-pe33757lf-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.

PE33757LF CAD Drawing

SMA Male to TNC Female Bulkhead Cable Using RG400 Coax , LF Solder

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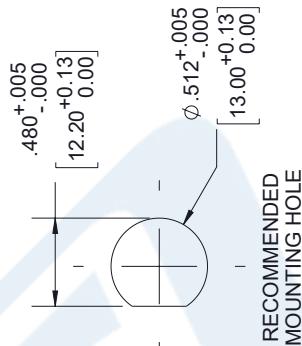
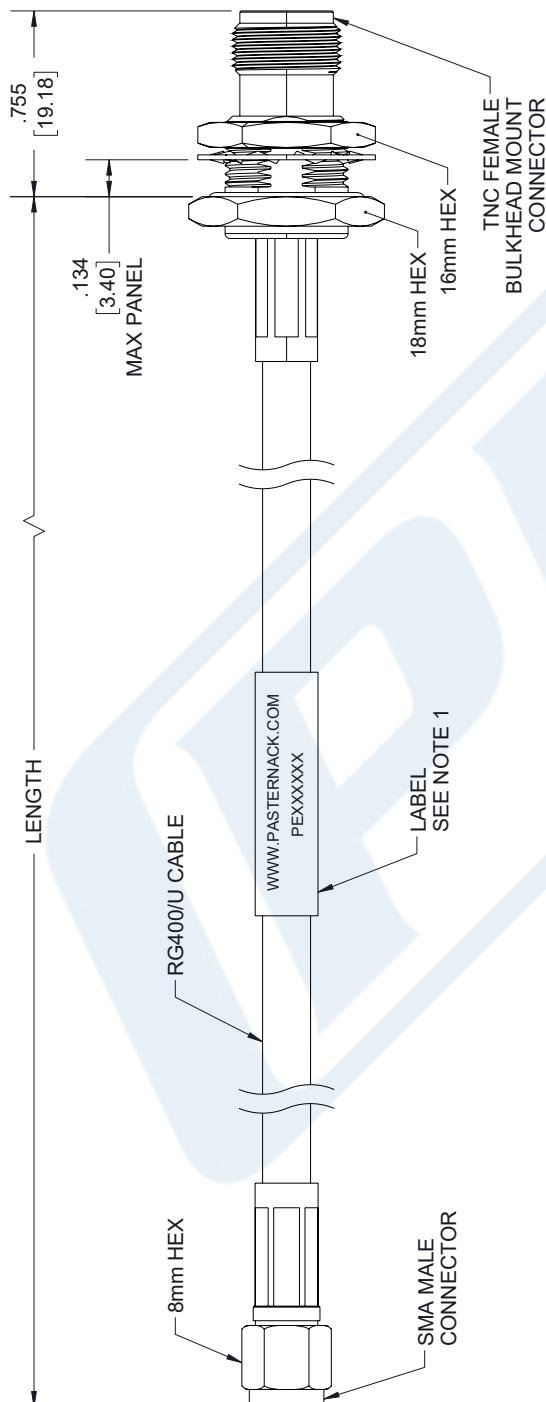
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ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/12/2023	HBAKKE	AGANWANI



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 2.

PASTERNACK® an INFINITI® brand	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
	SCALE NONE	SHOOT 1 OF 1
DESCRIPTION SMA MALE TO TNC FEMALE BULKHEAD CABLE USING RG400 COAX , LF SOLDER	WEBSITE: www.pasternack.com	PHONE: 1.866.727.8376 1.949.261.1920
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS		
TOLERANCES: $X = \pm .2$ [.5] FRACTIONS $XX = \pm .02$ [.5] + 1/32 $XXX = \pm .005$ [.13] ANGLES $\pm 1^\circ$ CABLE LENGTH TOLERANCES: $>12 [305] = +1 [25] / -0$ $>12 [305] = +2 [51] / -0$ $>60 [1524] = +2 [51] / -0$ $>60 [1524] = +2 [50.48] = +4 [102] / -0$ $>120 [3048] = +6 [152] / -0$ $>120 [3048] = +8 [76.2] = +8% / -0$ $>300 [7620] = +8% / -0$		

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REV.D	ITEM NO.	PE33757LF	REV A
3	A	53919	2