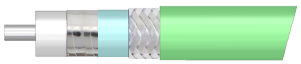
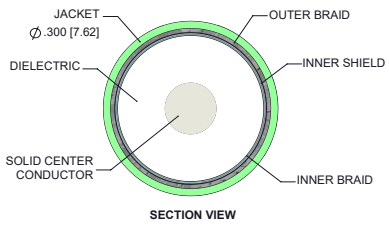
SMA Male to TNC Male Low Loss Cable Using PE-P300LL Coax, LF Solder

PE338LF

Configuration

- Connector 1: SMA Male
- Connector 2: TNC Male
- Cable Type: PE-P300LL
- Coax Flex Type: Flexible





Features

- Max Frequency 18 GHz
- 83% Phase Velocity
- Triple Shielded
- FEP Jacket
- 500 Mating Cycles

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE338LF SMA male to TNC male cable using PE-P300LL 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 male gender configuration with 50 ohm flexible PE-P300LL coax. The PE338LF SMA male to TNC male cable assembly operates to 18 GHz. 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Velocity of Propagation		83		%
Capacitance		25 [82.02]		pF/ft [pF/m]

Specifications by Frequency

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

SMA Male to TNC Male Low Loss Cable Using PE-P300LL Coax, LF Solder

PE338LF

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4500	9000	18000	MHz	
PE338LF	Custom Lengths Available	Insertion Loss (Typ.)	0.051	0.073	0.112	0.163	0.241	dB/ft	
			0.17	0.24	0.37	0.54	0.8	dB/m	
PE338LF-12	12 inch	Insertion Loss (Typ.)	0.26	0.28	0.32	0.37	0.45	dB	0.224
PE338LF-24	24 inch	Insertion Loss (Typ.)	0.31	0.35	0.43	0.53	0.69	dB	0.302
PE338LF-36	36 inch	Insertion Loss (Typ.)	0.36	0.42	0.54	0.69	0.93	dB	0.379
PE338LF-48	60 inch	Insertion Loss (Typ.)	0.41	0.5	0.65	0.86	1.17	dB	0.456
PE338LF-60	72 inch	Insertion Loss (Typ.)	0.46	0.57	0.76	1.02	1.41	dB	0.533

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:	0.1	dB
Base Weight:	0.224	pounds
Additional Weight per Inch:	0.00642	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.224 lbs [101.6 g]

Cable

Cable Type	PE-P300LL
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 Tape
Shield Layer 2	Aluminum Polyester
Shield Layer 3	Silver Plated Copper Wire
Jacket Material	FEP, Green
Jacket Diameter	0.3 in [7.62 mm]
Repeated Minimum Bend Radius	1.5 in [38.1 mm]

SMA Male to TNC Male Low Loss Cable Using PE-P300LL Coax, LF Solder

PE338LF

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	TNC Male
Specification	MIL-STD-348B	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	500
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 inch	9/16 inch
Torque	7 in-lbs 0.79 Nm	19 in-lbs 2.15 Nm

Environmental Specifications

Operating Range Temperature	-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

SMA Male to TNC Male Low Loss Cable Using PE-P300LL Coax, LF Solder

PE338LF

Typical Performance Data

How to Order

Part Number Configuration:

PE338LF - xx uu

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE338LF — Base Number

Example: PE338LF-12 = 12 inches long cable
PE338LF-100cm = 100 cm long cable

SMA Male to TNC Male Low Loss Cable Using PE-P300LL 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 Male Low Loss Cable Using PE-P300LL Coax, LF Solder PE338LF

URL: https://www.pasternack.com/sma-male-to-tnc-male-low-loss-cable-using-pe-p300ll-lf-solder-pe338lf-p.aspx

PE338LF CAD Drawing

SMA Male to TNC Male Low Loss Cable Using PE-P300LL Coax, LF Solder