

SMA Male to TNC Male Low Loss Cable 12 Inch Length Using PE-P142LL Coax, RoHS



RF Cable Assemblies Technical Data Sheet

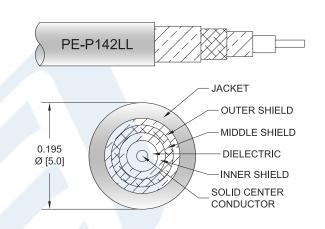
PE3C0847-12

Configuration

Connector 1: SMA MaleConnector 2: TNC MaleCable Type: PE-P142LL

Features

- 83% Velocity of Propagation
- Shielding effectiveness >95 dB
- Maximum VSWR is < 1.45:1 to 18 GHz
- . Minimum Bend Radius of 1 inch
- Operating Temperature range of -55 to +125 °C
- · RoHS and REACH Compliant
- · Same day shipment and customs lengths
- 100% Continuity, Hi-Pot, and RF tested



Description

The PE3C0847 series high performance test cable's 0.195 inch diameter and 83% phase velocity offer very low loss performance up to 18 GHz. The durable stainless steel connectors and FEP jacket provide a cost effective design ideal for test environments where a rugged cable assembly is required. The series is offered with Type N, TNC, and SMA connectors all rated to 18 GHz. A heavy duty boot provides improved strain relief and adds to the durability of the cable assemblies. These cable assemblies are built using a double shielded flexible cable, providing excellent shielding effectiveness of greater than 95 dB. All PE3C0847 cable assemblies are 100% Continuity, Hi-POT, and RF tested to published specifications. Custom lengths are built to order and shipped same day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.45:1	
Return Loss	14.72			dB
Velocity of Propagation		83		%
RF Shielding	95			dB
Capacitance		25 [82.02]		pF/ft [pF/m]

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 12 Inch Length Using PE-P142LL Coax, RoHS PE3C0847-12

ISO 9001 : 2008 Registered

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.52	0.56	0.62	0.71	0.82	dB
Insertion Loss (Typ.)	0.49	0.52	0.58	0.65	0.75	dB

Mechanical Specifications

Cable Assembly

12 in [304.8 mm] Length Diameter 0.625 in [15.88 mm] 0.22 lbs [99.79 g] Weight

Cable Cable Type

Impedance Inner Conductor Type

Inner Conductor Material and Plating

Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Shield Layer 3 Jacket Material Jacket Diameter

One Time Minimum Bend Radius

PE-P142LL 50 Ohms Solid Copper, Silver

PTFE

Silver Plated Copper Tape Aluminum Polyester Silver Plated Copper Wire

FEP, Green 0.195 in [4.95 mm]

1 in [25.4 mm]

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Connectors

Connector 1	Connector 2		
SMA Male	TNC Male		
MIL-STD-348	MIL-STD-348		
50 Ohms	50 Ohms		
Beryllium Copper, Gold	Beryllium Copper, Gold		
ASTM-B488 50µ In. Minimum	ASTM-B488, 50µ In. Minimum		
PTFE	PEI		
Passivated Stainless Ste			
	SAE-AMS-2701		
Passivated Stainless Steel	Passivated Stainless Steel		
SAE-AMS-2700	SAE-AMS-2701		
5/16 Inch	9/16 Inch		
8 in-lbs [0.9 Nm]			
Passivated Stainless Steel	Passivated Stainless Steel		
SAE-AMS-2700	SAE-AMS-2701		
	SMA Male MIL-STD-348 50 Ohms Beryllium Copper, Gold ASTM-B488 50µ In. Minimum PTFE Passivated Stainless Steel SAE-AMS-2700 5/16 Inch 8 in-lbs [0.9 Nm] Passivated Stainless Steel		

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant 12/17/2015

Plotted and Other Data

Notes:

• Values at 25°C, sea level.

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How to Order



Example: PE3C0847-12 = 12 inches long cable PE3C0847-100cm = 100 cm long cable

SMA Male to TNC Male Low Loss Cable 12 Inch Length Using PE-P142LL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/sma-male-tnc-male-pe-p142ll-cable-assembly-pe3c0847-12-p.aspx

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PE3C0847-12 CAD Drawing
SMA Male to TNC Male Low Loss Cable 12 Inch Length Using PE-P142LL Coax, RoHS

