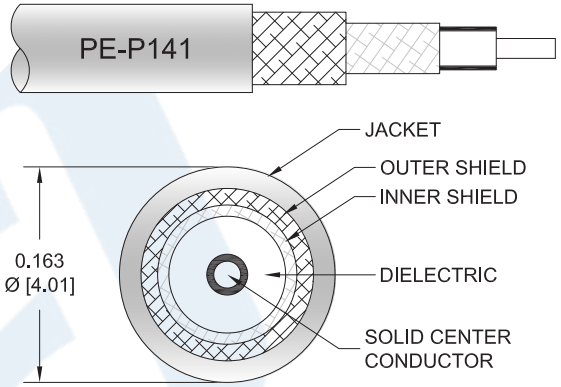
PASTERNACK
an INFINITE brand

SMA Male to Push-On SMA Male Precision Cable Using PE-P141 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet PE3CA1130

Configuration

- Connector 1: SMA Male
- Connector 2: Push-OnSMA Male
- Cable Type: PE-P141



Features

- Max Frequency 18 GHz
- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket
- 500 Mating Cycles
- Push-On SMA Male for quick connection
- 1.38:1 VSWR to 18 GHz
- Multi-shielded with spiral wrap flexible coax
- 100% VSWR tested and Hi-Pot tested to 500 volts
- Enhanced strain relief heavy duty booting
- In-stock and ready to ship

Applications

- General Purpose
- Laboratory Use
- Production testing
- RF development testing
- General lab testing
- Antenna test chambers

Description

Pasternack's new Push-On quick connection SMA test cables offer a secure connection with solid performance up to 18 GHz. The SMA male push-on connector is designed to slide onto the mating SMA female connector without the need for an extra locking device. The spring fingers inside the quick-connecting connector securely grab the threads of the SMA female connector and eliminate the need for a torque wrench or additional locking device, making mating and de-mating quick and effective. The flexible coax cable has excellent electrical properties including low insertion loss and >110 dB of shielding effectivity. These cables are an excellent choice for production testing where speed of connection is important while maintaining good electrical performance. Push-On SMA test cables from Pasternack are stocked in standard lengths and available for same day shipment.

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 Push-On SMA Male Precision Cable Using PE-P141 Coax , LF Solder PE3CA1130

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

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.38:1	
Insertion Loss			0.64	dB/ft
			2.1	dB/m
Velocity of Propagation		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Input Power (Peak)			500	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2	6	8	18		GHz
Insertion Loss (Max.)	0.18	0.33	0.39	0.64		dB/ft
	0.59	1.08	1.28	2.1		dB/m

Electrical Specification Notes:
Short lengths up to 12” long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Cable Assembly

Diameter	0.356 in [9.04 mm]

Cable

Cable Type	PE-P141
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	Mylar Tape
Shield Layer 3	Silver Plated Copper Tape
Jacket Material	FEP, Blue
Jacket Diameter	0.163 in [4.14 mm]
One Time Minimum Bend Radius	1 in [25.4 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Connection Method		Push-On
Mating Cycles	500	500
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 in.	
Torque	8 in-lbs [0.9 Nm]	

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8”, whichever is greater.

Environmental Specifications

Temperature

Operating Range	-55 to +125 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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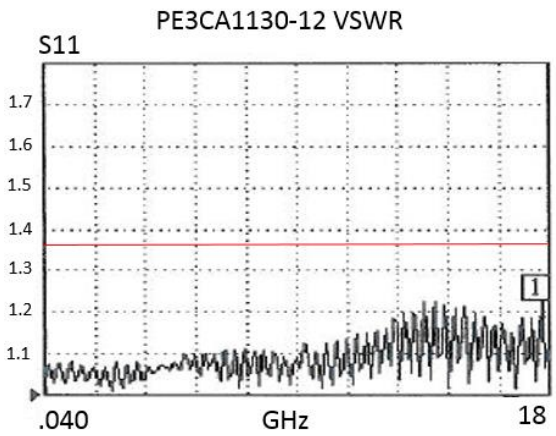
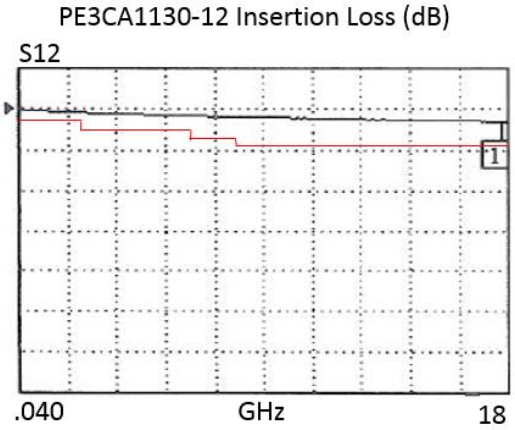
Typical Performance Data





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How to Order

Part Number Configuration: **PE3CA1130 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3CA1130 — Base Number

Example: PE3CA1130-12 = 12 inches long cable
PE3CA1130-100cm = 100 cm long cable

SMA Male to Push-On SMA Male Precision Cable Using PE-P141 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.

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URL: https://www.pasternack.com/sma-male-sma-male-pe-p141-cable-assembly-pe3ca1130-p.aspx

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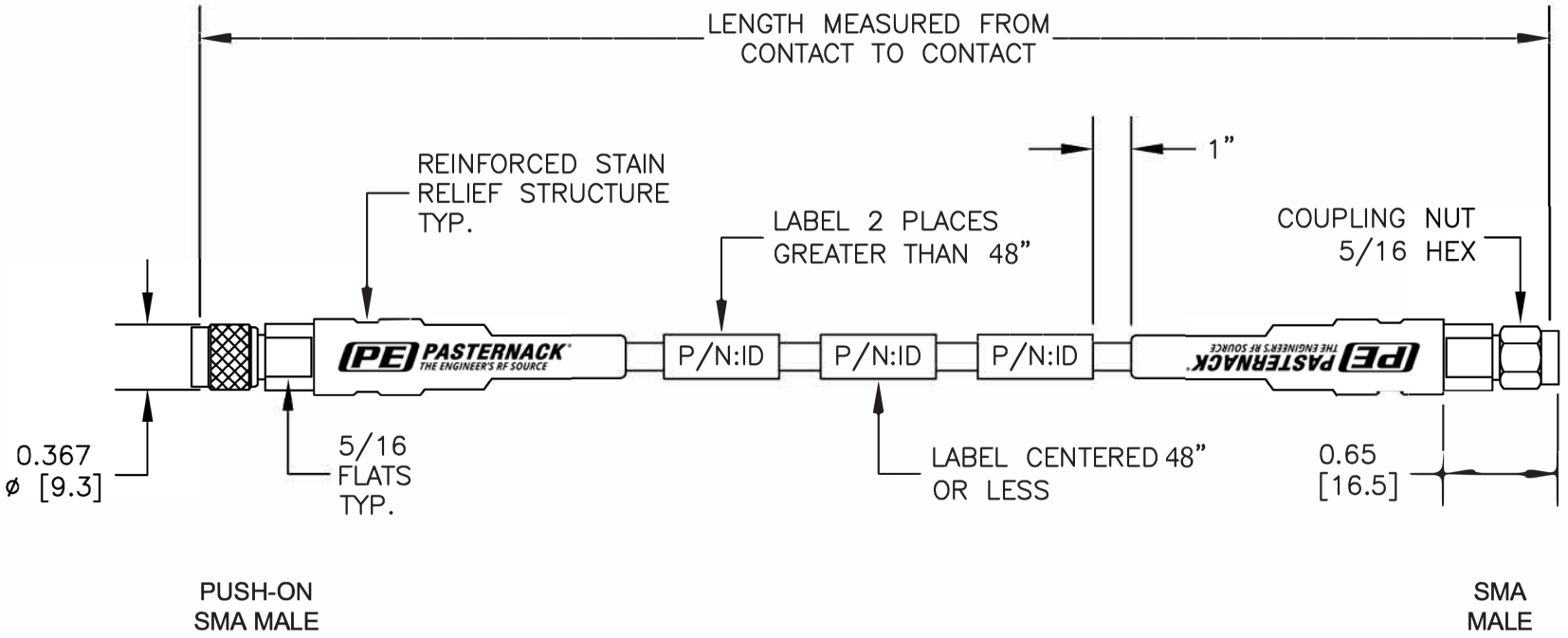

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DWG TITLE

PE3CA1130

FSCM NO. 53919

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

CAD FILE	011116	SCALE N/A	SIZE A	2233

PE3CA1130 CAD Drawing

SMA Male to Push-On SMA Male Precision Cable Using PE-P141 Coax , LF Solder