



RF Cable Assemblies Technical Data Sheet

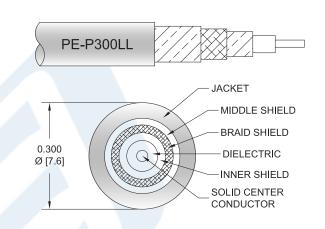
PE3C3252-50CM

Configuration

Connector 1: SMA MaleConnector 2: N FemaleCable Type: PE-P300LL

Features

- 83% Velocity of Propagation
- Shielding effectiveness > 95 dB
- Maximum VSWR is < 1.40:1 to 18 GHz
- Minimum Bend Radius of 1.5 inches
- Operating Temperature range of -55 to +125 °C
- ROHS Compliant
- · Same day shipment of custom lengths
- 100% Continuity and RF tested



Description

The PE3C3252 high performance test cable's 0.3 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 PE3C3252 cable assemblies are 100% Continuity 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			1.4:1	
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 N Female Low Loss Test Cable 50 cm Length Using PE-P300LL Coax, RoHS PE3C3252-50CM

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





RF Cable Assemblies Technical Data Sheet

PE3C3252-50CM

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.3	0.33	0.4	0.5	0.63	dB
Insertion Loss (Typ.)	0.28	0.31	0.36	0.44	0.56	dB
Power Handling (Max.)	1,800	1,200	900	650	400	Watts

Mechanical Specifications

Cable Assembly

Length* 19.685 in [500 mm] 0.875 in [22.23 mm] Diameter

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

Repeated Minimum Bend Radius

PE-P300LL 50 Ohms Solid Copper, Silver

PTFE

Silver Plated Copper Tape Aluminum Polyester Silver Plated Copper Wire

FEP, Green 0.3 in [7.62 mm]

1.5 in [38.1 mm]

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 N Female Low Loss Test Cable 50 cm Length Using PE-P300LL Coax, RoHS PE3C3252-50CM







RF Cable Assemblies Technical Data Sheet

PE3C3252-50CM

Connectors

Description	Connector 1	Connector 2	
Туре	SMA Male	N Female	
Specification	MIL-STD-348	MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Contact Plating Specification	ASTM-B488 50μ ln.	ASTM-B488 50µ in. minimum	
Dielectric Type	PTFE	PEI	
Outer Conductor Material and Plating		Passivated Stainless Steel	
Outer Conductor Plating Specification		SAE-AMS-2700	
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		
Coupling Nut Plating Specification	SAE-AMS-2700		
Hex Size	5/16 Inch		
Torque	8 in-lbs [0.9 Nm]		

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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 N Female Low Loss Test Cable 50 cm Length Using PE-P300LL Coax, RoHS PE3C3252-50CM

-55 to +125 deg C



^{*}All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.





RF Cable Assemblies Technical Data Sheet

PE3C3252-50CM

How to Order



Example: PE3C3252-12 = 12 inches long cable PE3C3252-100cm = 100 cm long cable

SMA Male to N Female Low Loss Test Cable 50 cm Length Using PE-P300LL 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.

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 N Female Low Loss Test Cable 50 cm Length Using PE-P300LL Coax, RoHS PE3C3252-50CM

URL: https://www.pasternack.com/sma-male-n-female-pe-p300ll-cable-assembly-pe3c3252-50cm-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.



PE3C3252-50CM CAD Drawing
SMA Male to N Female Low Loss Test Cable 50 cm Length Using PE-P300LL Coax, RoHS

