

SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length



RF Cable Assemblies Technical Data Sheet

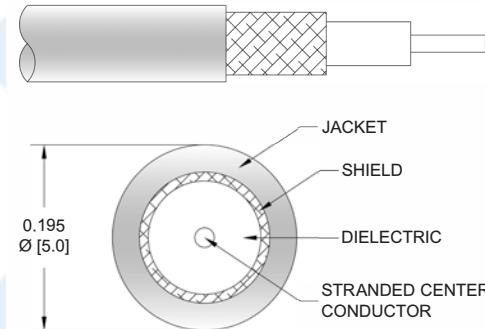
PE3277-100CM

Configuration

- Connector 1: SHV Plug
- Connector 2: BNC Male
- Cable Type: RG58

Features

- Max Frequency 300 MHz
- 65.9% Phase Velocity
- PVC (NC) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3277-100CM SHV plug to BNC male 100 cm cable using RG58 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 SHV to BNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG58 coax. The PE3277-100CM SHV plug to BNC male cable assembly operates to 300 MHz.

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: [SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length PE3277-100CM](#)

SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length



RF Cable Assemblies Technical Data Sheet

PE3277-100CM

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	250	300				MHz
Insertion Loss (Typ.)	0.35	0.38				dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of $0.1 * \text{SQRT}(F\text{GHz})$ dB per connector.

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Weight	0.082 lbs [37.19 g]

Cable

Cable Type	RG58
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.98 in [24.89 mm]
Repeated Minimum Bend Radius	1.96 in [49.78 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length PE3277-100CM](#)

SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length



RF Cable Assemblies Technical Data Sheet

PE3277-100CM

Connectors

Description	Connector 1	Connector 2
Type	SHV Plug	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 μ in minimum	30 μ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in minimum	100 μ in minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 μ in minimum	100 μ in minimum

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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: [SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length PE3277-100CM](#)

SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length

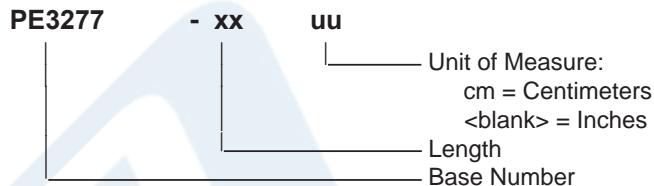


RF Cable Assemblies Technical Data Sheet

PE3277-100CM

How to Order

Part Number Configuration:



Example: PE3277-12 = 12 inches long cable
PE3277-100cm = 100 cm long cable

SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length 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: [SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length PE3277-100CM](#)

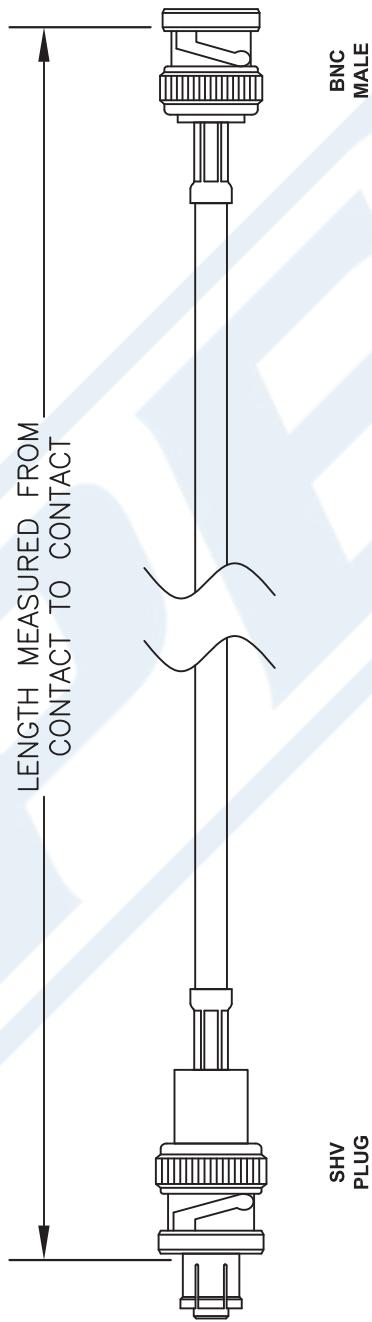
URL: <https://www.pasternack.com/shv-plug-to-bAc-male-cable-100-cm-leAgth-usiAg-rg58-pe3277-100cm-p.aspx>

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.

PE3277-100CM CAD Drawing

SHV Plug to BNC Male Cable Using RG58 Coax In 100 CM Length

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches



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 $\pm 1.5\%$ OR 3/8", WHICHEVER IS GREATER.

DWG TITLE
PE3277-XX

PE PASTERNACK®
Pasterнак Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

REV. -	FSCM NO.	53919	CAD FILE	100407	SCALE N/A	SIZE A	127