PASTERNACK®
THE ENGINEER'S RF SOURCE

BNC Male to SHV Plug Cable 12 Inch Length Using RG58 Coax

RF Cable Assemblies Technical Data Sheet   PE3W00148-12
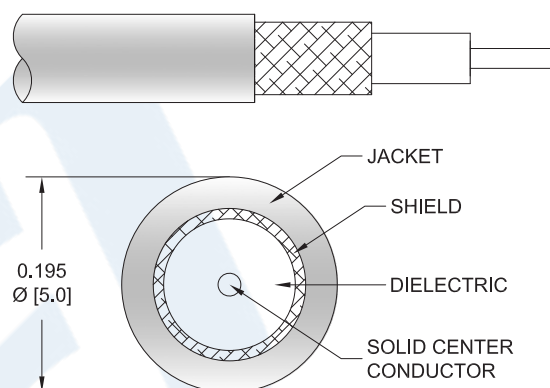
Configuration
- Connector 1: BNC Male
- Connector 2: SHV Plug
- Cable Type: RG58

Features
- Max Frequency 300 MHz
- Shielding Effectivity > 45 dB
- 65.9% Phase Velocity
- PVC (NC) Jacket

JACKET
SHIELD
DIELECTRIC
SOLID CENTER CONDUCTOR

0.195 Ø [5.0]

Applications
- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00148-12 BNC male to SHV plug 12 inch 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 BNC to SHV cable assembly has a male to plug gender configuration with 50 ohm flexible RG58 coax. The PE3W00148-12 BNC male to SHV plug 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
RF Shielding	45			dB
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male to SHV Plug Cable 12 Inch Length Using RG58 Coax PE3W00148-12

BNC Male to SHV Plug Cable 12 Inch Length Using RG58 Coax

RF Cable Assemblies Technical Data Sheet

PE3W00148-12

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	300			MHz
Insertion Loss (Max.)	0.23	0.25	0.28			dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax cable used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly
Length*   12 in [304.8 mm]
Diameter   0.571 in [14.5 mm]

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   2 in [50.8 mm]

Connectors

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

Mechanical Specification Notes:

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

Compliance Certifications (see product page for current document)

Plotted and Other Data
  Notes:

How to Order

Part Number Configuration: **PE3W00148   - xx   uu**

Unit of Measure:
  cm = Centimeters
  <blank> = Inches
Length
Base Number

Example: PE3W00148-12 = 12 inches long cable
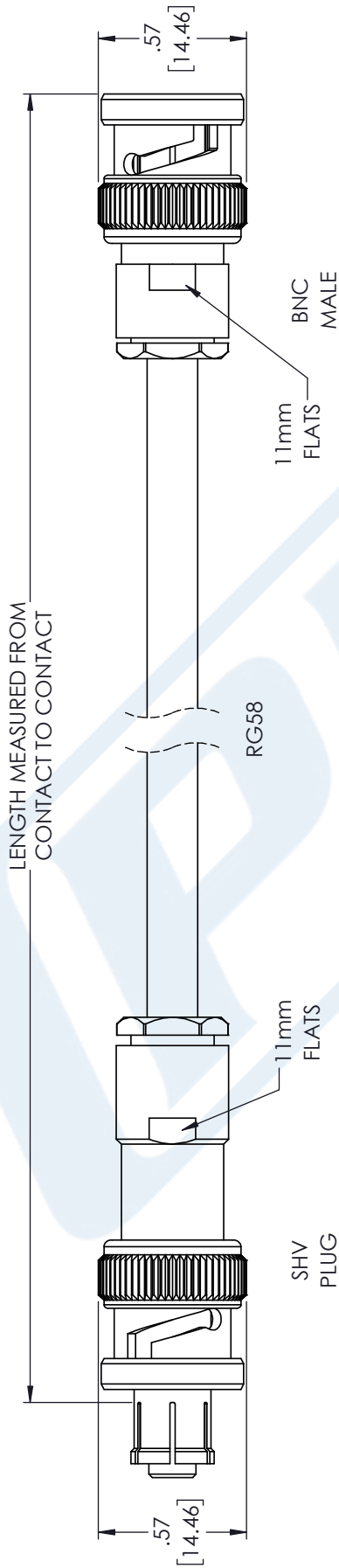   PE3W00148-100cm = 100 cm long cable

BNC Male to SHV Plug Cable 12 Inch Length Using RG58 Coax 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: BNC Male to SHV Plug Cable 12 Inch Length Using RG58 Coax PE3W00148-12

URL: https://www.pasternack.com/bnc-male-shv-plug-rg58cu-cable-assembly-pe3w00148-12-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.

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PE3W00148-12 CAD Drawing
BNC Male to SHV Plug Cable 12 Inch Length Using RG58 Coax

.57 [14.46]

BNC MALE

11mm FLATS

LENGTH MEASURED FROM CONTACT TO CONTACT

RG58

11mm FLATS

SHV PLUG

.57 [14.46]

STANDARD TOLERANCES
.X   ± 0.2
.XX   ± 0.01
.XXX ± 0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS 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].

DWG TITLE		
PE3W00148		
CAGE CODE	53919	

CAD FILE 02/23/18

SCALE N/A

SIZE A

GF0006

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