

BNC Male to SSMB Jack Cable Using RG178 Coax with HeatShrink



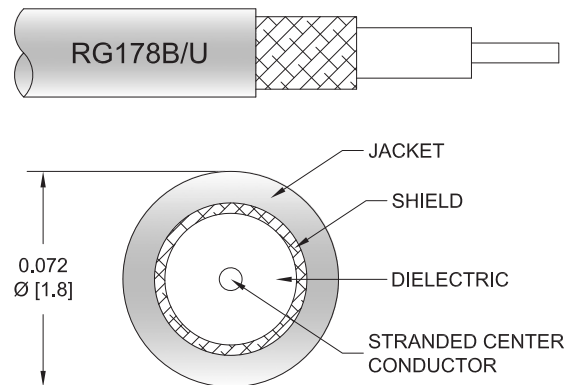
PE34877/HS

Configuration

- Connector 1: BNC Male
- Connector 2: SSMB Jack
- Cable Type: RG178
- Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- 70% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34877/HS BNC male to SSMB jack cable using RG178 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 SSMB cable assembly has a male to jack gender configuration with 50 ohm flexible RG178 coax. The PE34877/HS BNC male to SSMB jack cable assembly operates to 1 GHz.

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		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			250	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	1000	MHz	
PE34877/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.01	0.14	0.21	0.31	0.444	dB/ft	
			0.03	0.46	0.69	1.01	1.46	dB/m	
PE34877/HS-6	6 inch	Insertion Loss (Typ.)	0.21	0.27	0.31	0.36	0.43	dB	0.048
PE34877/HS-9	9 inch	Insertion Loss (Typ.)	0.21	0.31	0.36	0.43	0.54	dB	0.049
PE34877/HS-12	12 inch	Insertion Loss (Typ.)	0.21	0.34	0.41	0.51	0.65	dB	0.05
PE34877/HS-24	24 inch	Insertion Loss (Typ.)	0.22	0.48	0.62	0.82	1.09	dB	0.056
PE34877/HS-36	36 inch	Insertion Loss (Typ.)	0.23	0.62	0.83	1.12	1.54	dB	0.061

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.048 pounds
Additional Weight per Inch:	0.00042 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.045 lbs [20.41 g]

Cable

Cable Type	RG178
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Male	SSMB Jack
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Beryllium Copper, Gold
Outer Conductor Plating Specification		3 µin minimum
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	3 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

Environmental Specifications

Operating Range Temperature -55 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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PE34877/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE34877/HS - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE34877/HS-12 = 12 inches long cable
PE34877/HS-100cm = 100 cm long cable

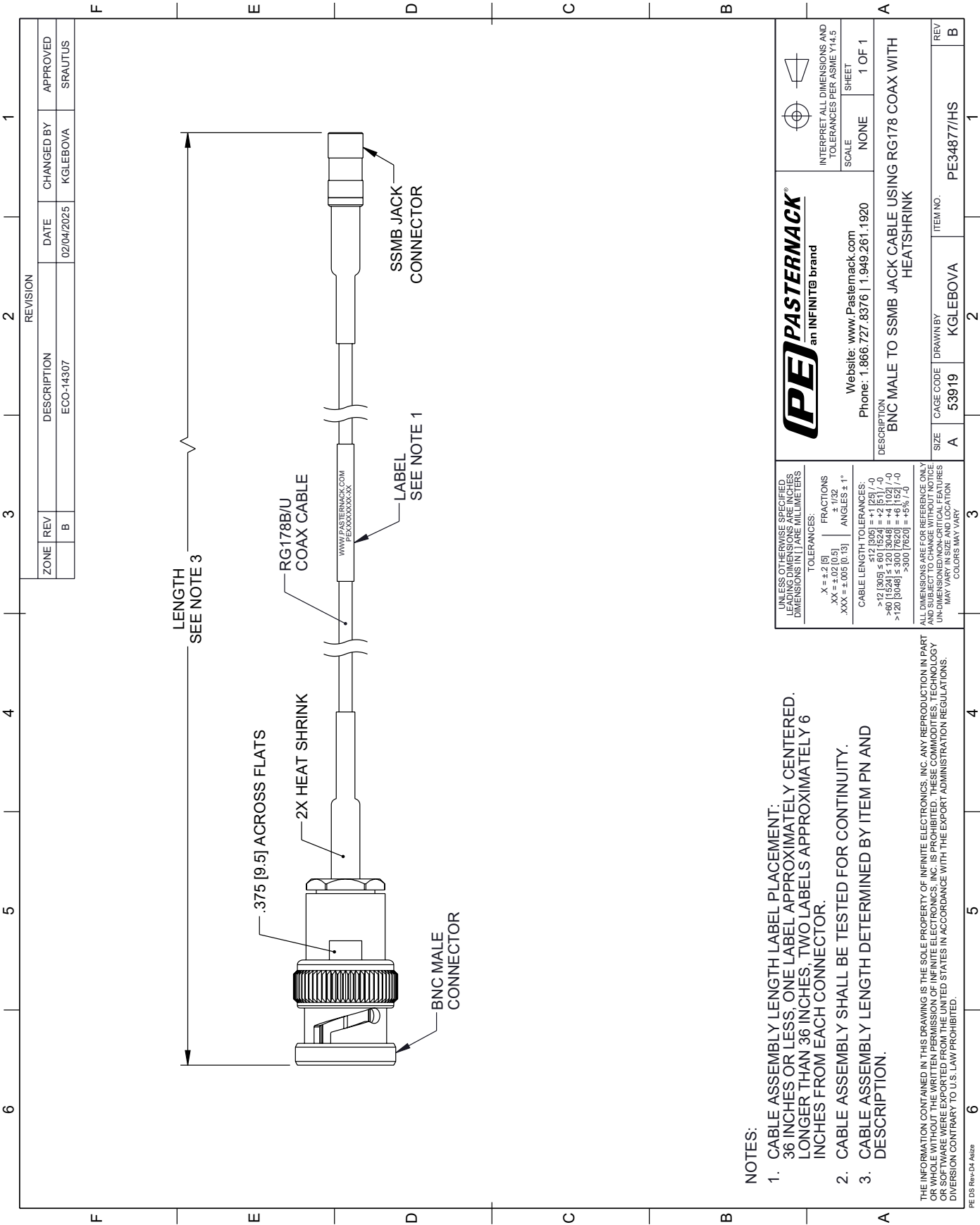
BNC Male to SSMB Jack Cable Using RG178 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 SSMB Jack Cable Using RG178 Coax with HeatShrink PE34877/HS](#)

URL: <https://www.pasternack.com/bnc-male-to-ssmb-jack-cable-using-rg178-with-heatshrink-pe34877-hs-p.aspx>

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PE34877/HS CAD Drawing
BNC Male to SSMB Jack Cable Using RG178 Coax with HeatShrink



- NOTES:
1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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