

N Male to N Male Cable Using RG58 Coax with HeatShrink

PE3W00789/HS

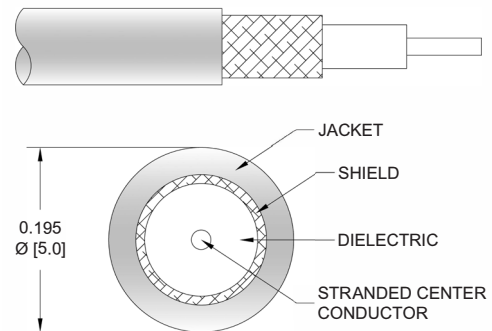


Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG58
- Coax Flex Type: Flexible

Features

- Max Frequency 5 GHz
- 65.9% Phase Velocity
- PVC (NC) Jacket
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00789/HS type N male to type N male 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 type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG58 coax. The PE3W00789/HS type N male to type N male cable assembly operates to 5 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		5	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	5000	MHz	
PE3W00789/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.074	0.116	0.2	0.35	0.6	dB/ft	
			0.25	0.39	0.66	1.15	1.97	dB/m	
PE3W00789/HS-12	12 inch	Insertion Loss (Typ.)	0.38	0.42	0.5	0.65	0.9	dB	0.162
PE3W00789/HS-24	24 inch	Insertion Loss (Typ.)	0.45	0.54	0.7	1	1.5	dB	0.186
PE3W00789/HS-36	36 inch	Insertion Loss (Typ.)	0.53	0.65	0.9	1.35	2.1	dB	0.21
PE3W00789/HS-48	48 inch	Insertion Loss (Typ.)	0.6	0.77	1.1	1.7	2.7	dB	0.234
PE3W00789/HS-200CM	200 cm	Insertion Loss (Typ.)	0.79	1.07	1.62	2.6	4.24	dB	0.538

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:	0.15 dB
Loss due to Connector 2:	0.15 dB
Base Weight:	0.162 pounds
Additional Weight per Inch:	0.002 pounds

Mechanical Specifications

Cable Assembly

Weight	0.162 lbs [73.48 g]
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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]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	500
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Operating Range Temperature -40 to +80 deg C

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

Plotted and Other Data

Notes:

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PE3W00789/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3W00789/HS

- xx

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

Length

Base Number

Example: PE3W00789/HS-12 = 12 inches long cable
PE3W00789/HS-100cm = 100 cm long cable

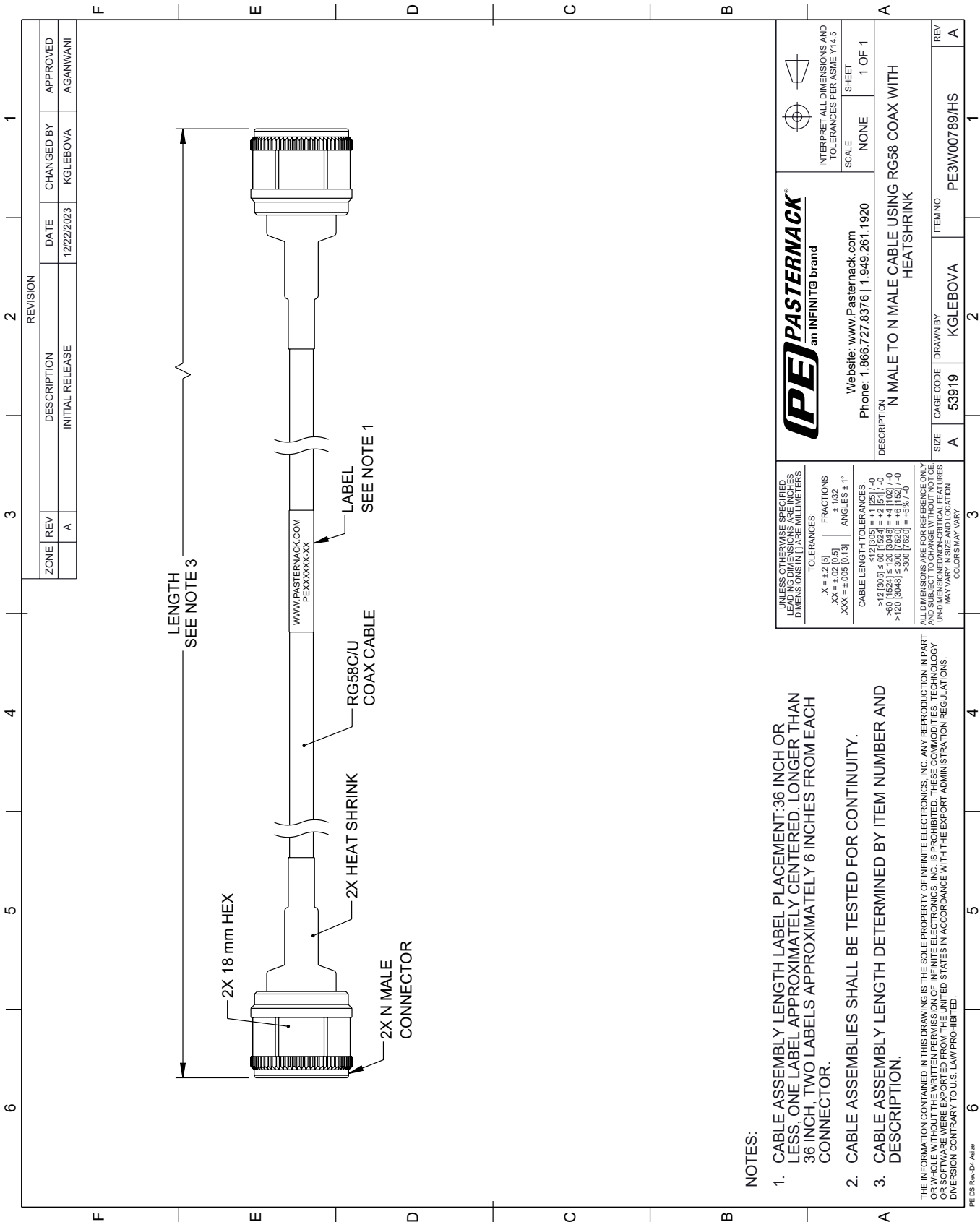
N Male to N Male Cable Using RG58 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Cable Using RG58 Coax with HeatShrink PE3W00789/HS](#)

URL: <https://www.pasternack.com/n-male-to-n-male-cable-using-rg58-with-heatshrink-pe3w00789-hs-p.aspx>

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PE3W00789/HS CAD Drawing
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NOTES:

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

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