



SMA Male Right Angle to N Male Cable Using RG400 Coax with HeatShrink, LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W00201LF/HS

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: N Male
- Cable Type: RG400

Features

- Max Frequency 6 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00201LF/HS SMA male right angle to type N male cable using RG400 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 SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG400 coax. The PE3W00201LF/HS SMA male to type N male cable assembly operates to 6 GHz. The right angle SMA interface on the RG400 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		6	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		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: [SMA Male Right Angle to N Male Cable Using RG400 Coax with HeatShrink, LF Solder PE3W00201LF/HS](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.09	0.14	0.2	0.3	0.4	dB/ft
	0.3	0.46	0.66	0.98	1.31	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.3dB of connector loss.

Mechanical Specifications

Cable Assembly

Diameter 0.83 in [21.08 mm]

Cable

Cable Type RG400
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.195 in [4.95 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	N Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 inch	18 mm
Torque	3 in-lbs [0.34 Nm]	9 in-lbs [1.02 Nm]

Mechanical Specification Notes:

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

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

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PE3W00201LF/HS

How to Order

Part Number Configuration:

PE3W00201LF/HS - xx

uu

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

Example: PE3W00201LF/HS-12 = 12 inches long cable
PE3W00201LF/HS-100cm = 100 cm long cable

SMA Male Right Angle to N Male Cable Using RG400 Coax with HeatShrink, LF Solder 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: [SMA Male Right Angle to N Male Cable Using RG400 Coax with HeatShrink, LF Solder PE3W00201LF/HS](https://www.pasternack.com/sma-male-n-male-rg400u-cable-assembly-pe3w00201lf-hs-p.aspx)

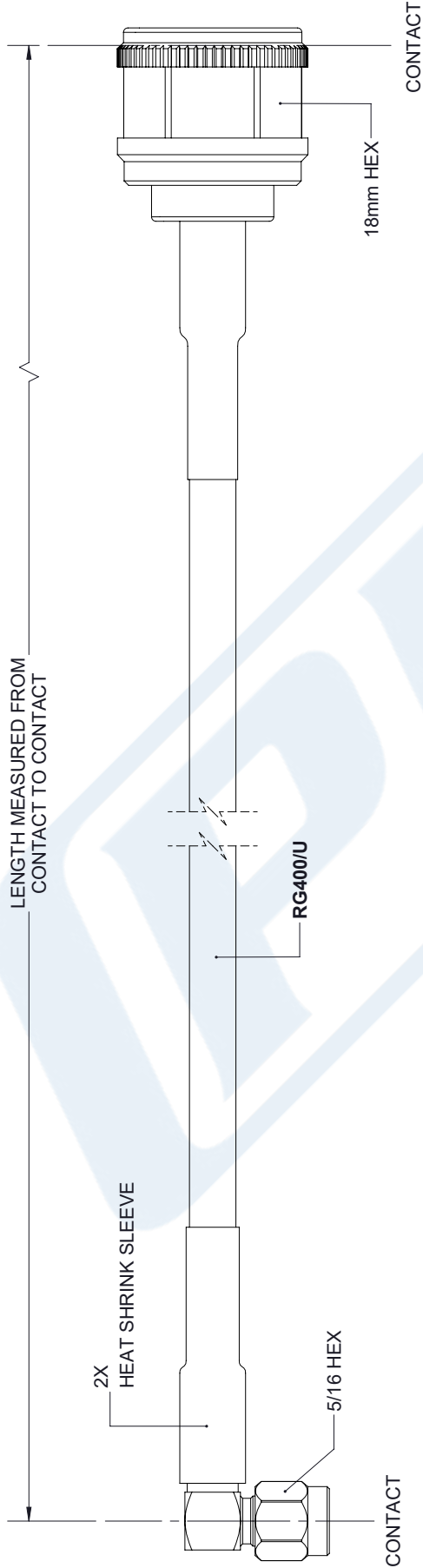
URL: <https://www.pasternack.com/sma-male-n-male-rg400u-cable-assembly-pe3w00201lf-hs-p.aspx>

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PE3W00201LF/HS CAD Drawing

SMA Male Right Angle to N Male Cable Using RG400 Coax with HeatShrink, LF Solder

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/19/19	S.ELLIS



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.XX±.01	[.25]	±.132									
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<p>SIZE A</p> <p>CAGE 53919</p> <p>DRAWN BY K.DANG</p> <p>PART NUMBER PE3W00201LF/HS</p>	<p>THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.</p>										