

## N Female to QMA Male Low Loss Cable Using LMR-195-UF Coax with HeatShrink



### RF Cable Assemblies Technical Data Sheet

**PE3W13832/HS**

#### Configuration

- Connector 1: N Female
- Connector 2: QMA Male
- Cable Type: LMR-195-UF

#### Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 74% Phase Velocity
- Double Shielded
- TPE Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W13832/HS type N female to QMA male cable using LMR-195-UF 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 QMA cable assembly has a female to male gender configuration with 50 ohm flexible LMR-195-UF coax. The PE3W13832/HS type N female to QMA male cable assembly operates to 5.8 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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: [N Female to QMA Male Low Loss Cable Using LMR-195-UF Coax with HeatShrink PE3W13832/HS](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Velocity of Propagation		74		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		9.5 [31.17]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω/1000ft [Ω/Km]
Jacket Spark			3,000	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.067	0.097	0.138	0.226	0.356	dB/ft
	0.22	0.32	0.45	0.74	1.17	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.091 lbs [41.28 g]

##### Cable

Cable Type LMR-195-UF  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper  
Dielectric Type Foam PE  
Number of Shields 2  
Shield Layer 1 Aluminum Tape  
Shield Layer 2 Tinned Copper  
Jacket Material TPE, Black  
Jacket Diameter 0.195 in [4.95 mm]

One Time Minimum Bend Radius 0.5 in [12.7 mm]  
Repeated Minimum Bend Radius 2 in [50.8 mm]

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Bending Moment  
Flat Plate Crush  
Tensile Strength

0.1 lbs-ft [0.14 N-m]  
10 lbs/in [0.18 Kg/mm]  
40 lbs [18.14 Kg]

#### Connectors

Description	Connector 1	Connector 2
Type	N Female	QMA Male
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating		Brass, Gold
Dielectric Type		PTFE
Outer Conductor Material and Plating	Brass, Nickel	Phosphor Bronze, Tri-Metal
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal

**Compliance Certifications** (see product page for current document)

#### Plotted and Other Data

Notes:

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**PE3W13832/HS**

#### How to Order

Part Number Configuration:

**PE3W13832/HS - xx uu**

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

Example: PE3W13832/HS-12 = 12 inches long cable  
PE3W13832/HS-100cm = 100 cm long cable

N Female to QMA Male Low Loss Cable Using LMR-195-UF 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.

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URL: <https://www.pasternack.com/n-female-to-qma-male-low-loss-cable-using-lmr-195-uf-with-heatshrink-pe3w13832-hs-p.aspx>

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