



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	0.1 lbs-ft [0.14 N-m]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]
Tensile Strength	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.

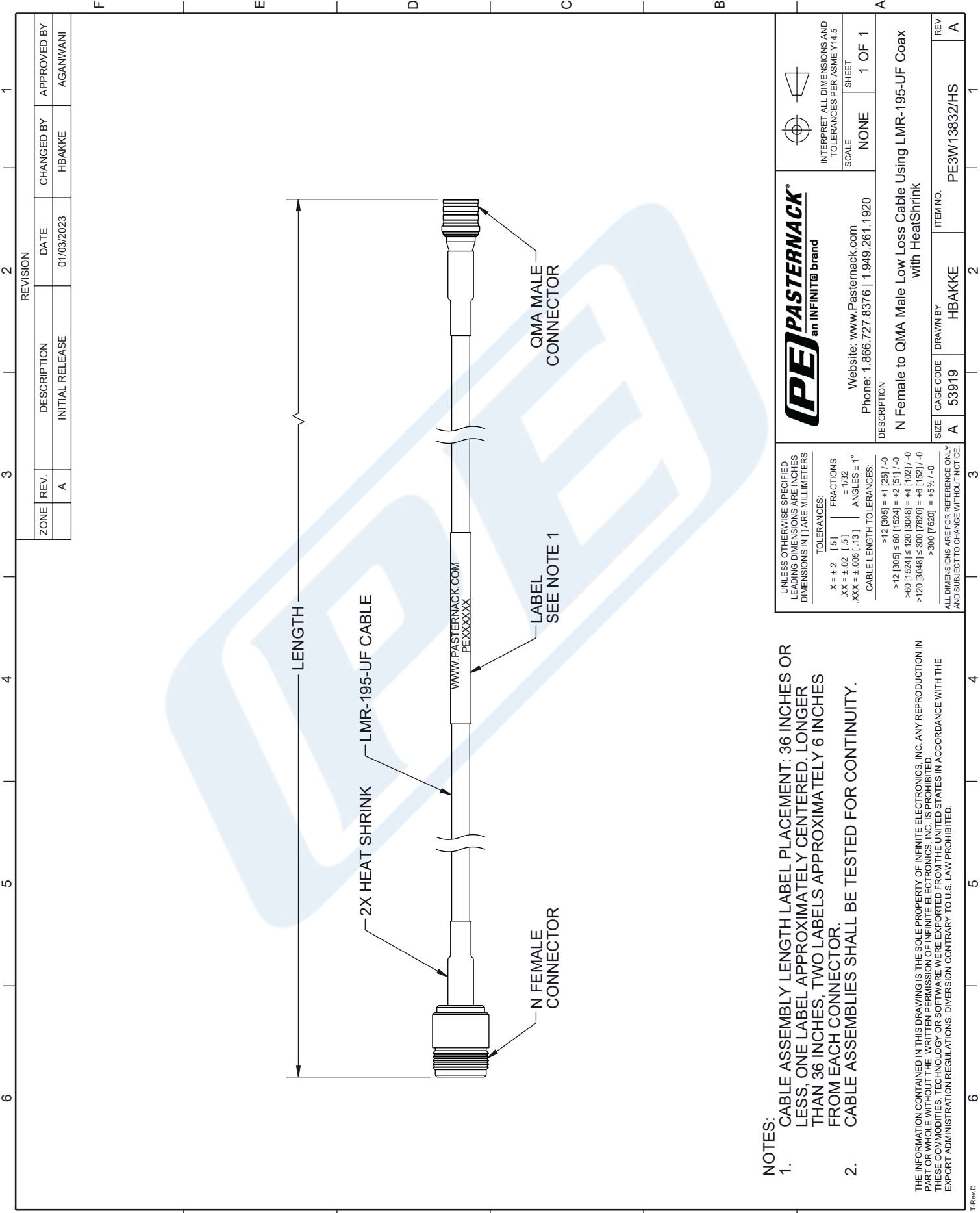
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female to QMA Male Low Loss Cable Using LMR-195-UF Coax with HeatShrink PE3W13832/HS](#)

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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PE3W13832/HS CAD Drawing

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



- NOTES:
- 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.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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TOLERANCES:		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE	
X = ±.2 [5] FRACTIONS XX = ±.02 [.5] ANGLES ± 1° .XXX = ±.005 [.13]		DESCRIPTION N Female to QMA Male Low Loss Cable Using LMR-195-UF Coax with HeatShrink		SHEET 1 OF 1	
CABLE LENGTH TOLERANCES:		SIZE A		REV A	
>12 [305] = +1 [25] / -0		CAGE CODE 53919		ITEM NO. PE3W13832/HS	
>60 [1524] ≤ 60 [1524] = +2 [51] / -0		DRAWN BY HBAKKE		1	
>120 [3048] ≤ 120 [3048] = +4 [102] / -0					
>120 [3048] ≤ 300 [7620] = +6 [152] / -0					
>300 [7620] = +5% / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE					