



## Mini UHF Female to N Male Cable 48 Inch Length Using LMR-195 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W06032/HS-48

#### Configuration

- Connector 1: Mini UHF Female
- Connector 2: N Male
- Cable Type: LMR-195

#### Features

- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket

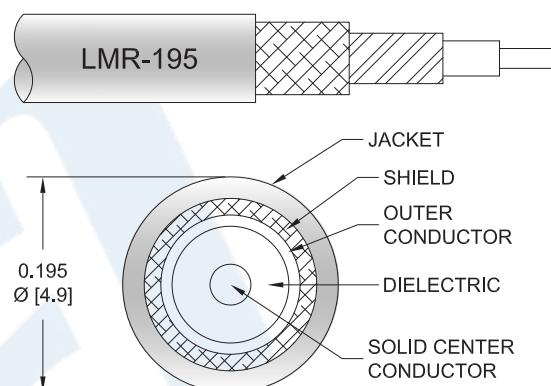
#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W06032/HS-48 Mini UHF female to type N male 48 inch cable using LMR-195 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 Mini UHF to type N cable assembly has a female to male gender configuration with 50 ohm flexible LMR-195 coax. 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: [Mini UHF Female to N Male Cable 48 Inch Length Using LMR-195 Coax with HeatShrink PE3W06032/HS-48](#)



## Mini UHF Female to N Male Cable 48 Inch Length Using LMR-195 Coax with HeatShrink

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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
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 Km]		7.6 [24.93]		Ohms/1000ft [Ohms/
DC Resistance Outer Conductor Km]		4.9 [16.08]		Ohms/1000ft [Ohms/
Jacket Spark			3,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.81 in [20.57 mm]

##### Cable

Cable Type	LMR-195
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, 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]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Flat Plate Crush	15 lbs/in [0.27 Kg/mm]
Tensile Strength	40 lbs [18.14 Kg]

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**Connectors**

Description	Connector 1	Connector 2
Type	Mini UHF Female	N Male
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	Brass, Gold
Contact Plating Specification		ASTM B488
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Tri-Metal
Coupling Nut Material and Plating		Brass, Tri-Metal
Hex Size		13/16 Inch

**Mechanical Specification Notes:**

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

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

**Plotted and Other Data**

Notes:

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## Mini UHF Female to N Male Cable 48 Inch Length Using LMR-195 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W06032/HS-48

#### How to Order

Part Number Configuration:

**PE3W06032/HS**

**- xx**

**uu**

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

Example: PE3W06032/HS-12 = 12 inches long cable  
PE3W06032/HS-100cm = 100 cm long cable

Mini UHF Female to N Male Cable 48 Inch Length Using LMR-195 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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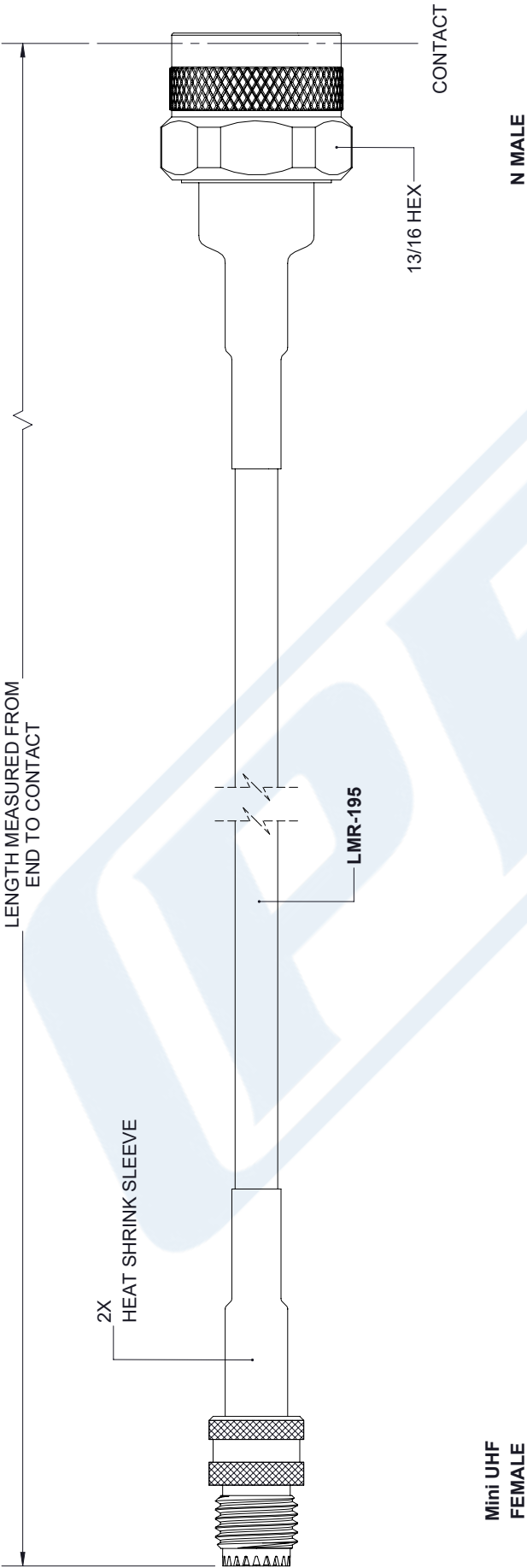
URL: <https://www.pasternack.com/mini-uhf-female-n-male-lmr195-cable-assembly-pe3w06032-hs-48-p.aspx>

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PE3W06032/HS-48 CAD Drawing

Mini UHF Female to N Male Cable 48 Inch Length Using LMR-195 Coax with HeatShrink

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	S.ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X $\pm$ .2	[5.08]
.XX $\pm$ .01	[.25]
.XXX $\pm$ .005	[.13]
ANGLES $\pm$ 1°	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

<b>PE PASTERNAK</b> an INFINITI brand	
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SIZE	A
CAGE	53919
DRAWN BY	K.DANG
PART NUMBER	PE3W05298
REV	A

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SCALE	N/A

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