



Mini UHF Female to N Male Cable 12 Inch Length Using LMR-195 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W06032/HS-12

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

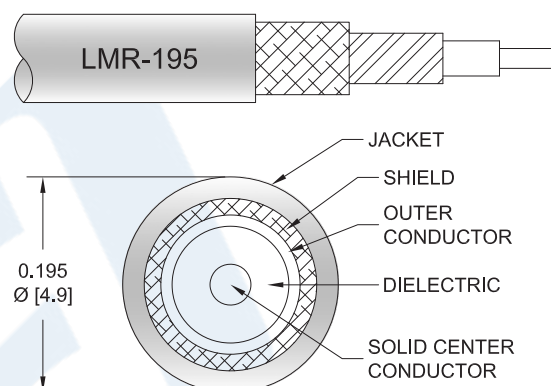
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06032/HS-12 Mini UHF female to type N male 12 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 12 Inch Length Using LMR-195 Coax with HeatShrink PE3W06032/HS-12](#)



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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* | 12 in [304.8 mm] |
| 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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How to Order

Part Number Configuration:

PE3W06032/HS

- xx

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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 12 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.

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 12 Inch Length Using LMR-195 Coax with HeatShrink PE3W06032/HS-12](https://www.pasternack.com/mini-uhf-female-n-male-lmr195-cable-assembly-pe3w06032-hs-12-p.aspx)

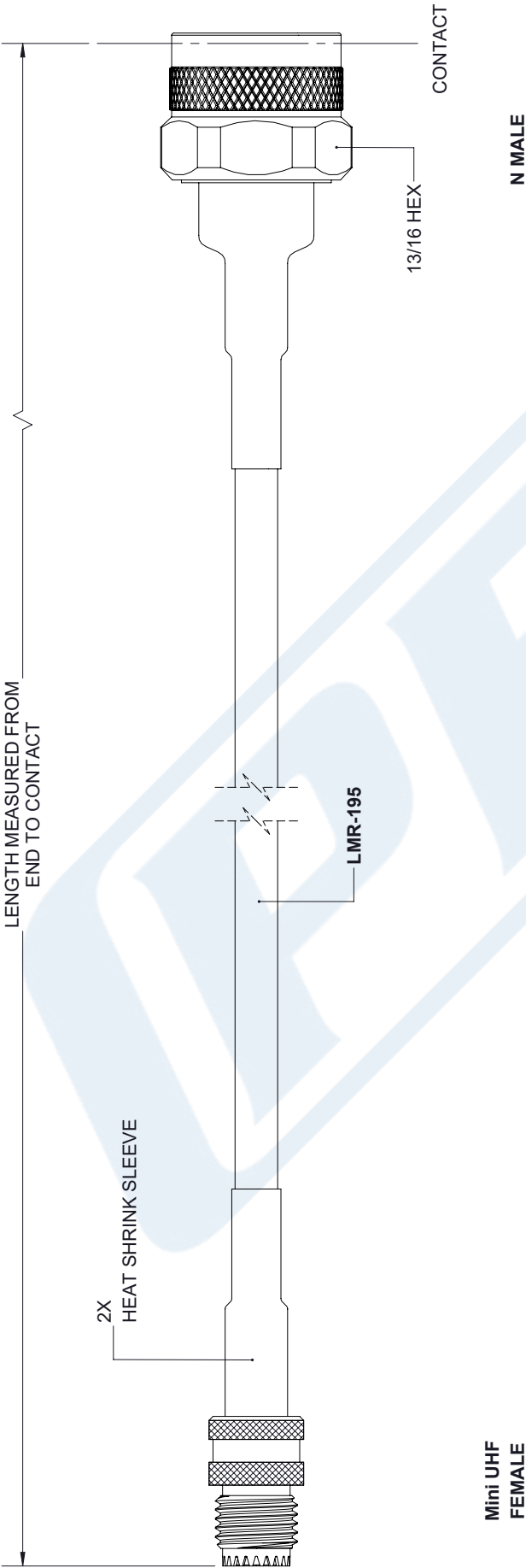
URL: <https://www.pasternack.com/mini-uhf-female-n-male-lmr195-cable-assembly-pe3w06032-hs-12-p.aspx>

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PE3W06032/HS-12 CAD Drawing

Mini UHF Female to N Male Cable 12 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±.2 [5.08] | ±.132 |
| .XX±.01 [.25] | ±.005 |
| .XXX±.005 [.13] | ±.001 |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | |
| THIRD-ANGLE PROJECTION | |

| | |
|---|-----------|
| PE PASTERNAK an INFINITI brand | |
| Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com | |
| SIZE | A |
| CAGE | 53919 |
| DRAWN BY | K.DANG |
| PART NUMBER | PE3W05298 |
| REV | A |

| | |
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| SHEET | 1 OF 1 |
| SCALE | N/A |

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