



## TNC Male to TNC Male Low Loss Cable Using PE-C195 Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

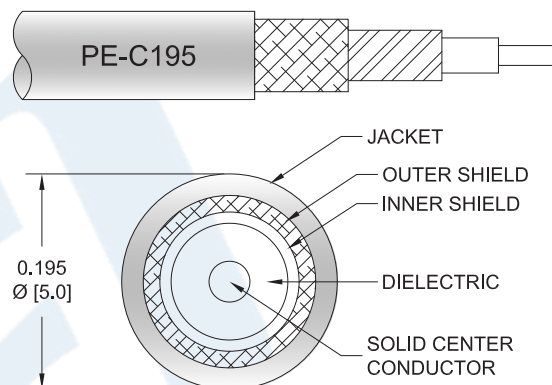
**PE3W09852LF**

#### Configuration

- Connector 1: TNC Male
- Connector 2: TNC Male
- Cable Type: PE-C195

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W09852LF TNC male to TNC male cable using PE-C195 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 TNC to TNC cable assembly has a male to male gender configuration with 50 ohm flexible PE-C195 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
RF Shielding	90			dB
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Jacket Spark			5,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Low Loss Cable Using PE-C195 Coax , LF Solder PE3W09852LF](#)



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**PE3W09852LF**

Weight 0.103 lbs [46.72 g]

**Cable**

Cable Type PE-C195  
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]

**Connectors**

Description	Connector 1	Connector 2
Type	TNC Male	TNC Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Silver	Brass, Silver
Coupling Nut Material and Plating	Brass, Silver	Brass, Silver

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Low Loss Cable Using PE-C195 Coax , LF Solder PE3W09852LF](#)



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### RF Cable Assemblies Technical Data Sheet

**PE3W09852LF**

#### How to Order

Part Number Configuration:

**PE3W09852LF - xx uu**

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

Example: PE3W09852LF-12 = 12 inches long cable  
PE3W09852LF-100cm = 100 cm long cable

TNC Male to TNC Male Low Loss Cable Using PE-C195 Coax , 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.

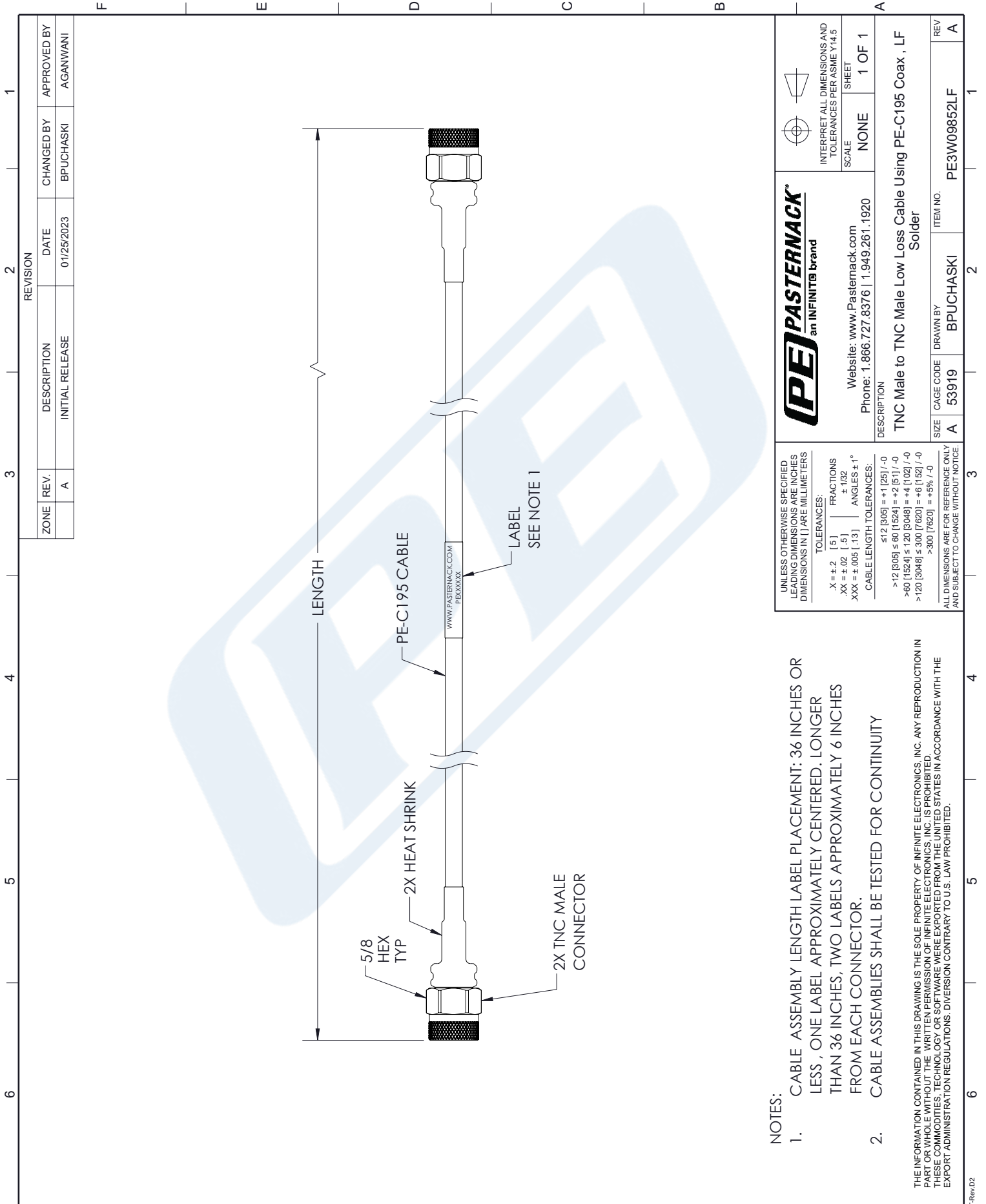
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URL: <https://www.pasternack.com/tnc-male-to-tnc-male-low-loss-cable-using-pe-c195-lf-solder-pe3w09852lf-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE3W09852LF CAD Drawing

TNC Male to TNC Male Low Loss Cable Using PE-C195 Coax , LF Solder



**NOTES:**

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		DESCRIPTION: <b>TNC Male to TNC Male Low Loss Cable Using PE-C195 Coax , LF Solder</b>	
SIZE: A	CAGE CODE: 53919	DRAWN BY: BPUCHASKI	ITEM NO.: PE3W09852LF

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = ± .2 [ .5 ]	FRACTIONS ± 1/32
.XX = ± .02 [ .5 ]	ANGLES ± 1°
XXX = ± .005 [ .13 ]	

CABLE LENGTH TOLERANCES:

≤ 12 [ 305 ]	± .1 [ 25 ] / -0
> 12 [ 305 ] ≤ 60 [ 1524 ]	± .2 [ 5 ] / -0
> 60 [ 1524 ] ≤ 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.