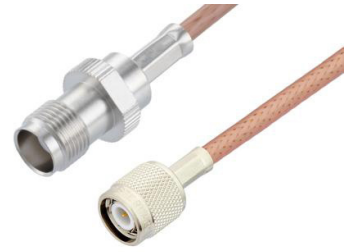


TNC Female to TNC Male Low Loss Cable Using PE-P195 Coax



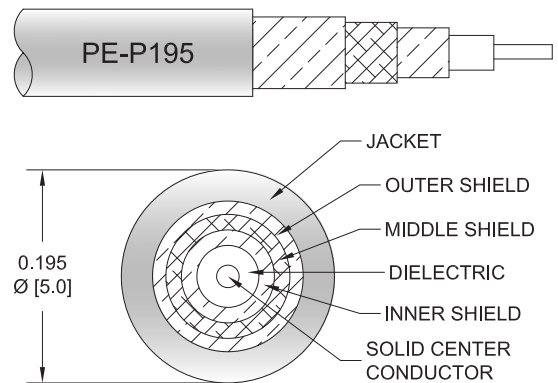
PE3W10916

Configuration

- Connector 1: TNC Female
- Connector 2: TNC Male
- Cable Type: PE-P195
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- Triple Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10916 TNC female to TNC male cable using PE-P195 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 female to male gender configuration with 50 ohm flexible PE-P195 coax. The PE3W10916 TNC female to TNC male cable assembly operates to 3 GHz. The triple shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

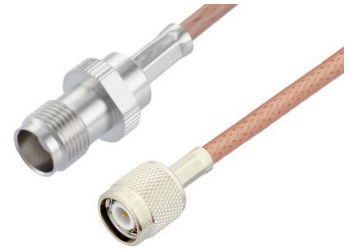
Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector 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
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29 [95.14]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

TNC Female to TNC Male Low Loss
Cable Using PE-P195 Coax



PE3W10916

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3W10916	Custom Lengths Available	Insertion Loss (Typ.)	0.039	0.057	0.088	0.125	0.22	dB/ft	
			0.13	0.19	0.29	0.42	0.73	dB/m	
PE3W10916-12	12 inch	Insertion Loss (Typ.)	0.24	0.26	0.29	0.33	0.42	dB	0.106
PE3W10916-24	24 inch	Insertion Loss (Typ.)	0.28	0.32	0.38	0.45	0.64	dB	0.145
PE3W10916-36	36 inch	Insertion Loss (Typ.)	0.32	0.38	0.47	0.58	0.86	dB	0.183
PE3W10916-60	60 inch	Insertion Loss (Typ.)	0.4	0.49	0.64	0.83	1.3	dB	0.259
PE3W10916-72	72 inch	Insertion Loss (Typ.)	0.44	0.55	0.73	0.95	1.52	dB	0.297

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB
 Loss due to Connector 2: 0.1 dB
 Base Weight: 0.106 pounds
 Additional Weight per Inch: 0.00317 pounds

Mechanical Specifications

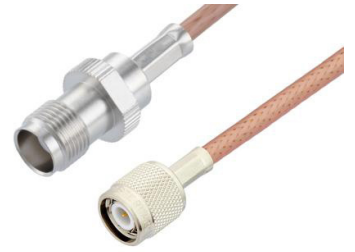
Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
 Weight 0.106 lbs [48.08 g]

Cable

Cable Type PE-P195
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 3
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Aluminum Tape
 Shield Layer 3 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.195 in [4.95 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]

TNC Female to TNC Male Low Loss
Cable Using PE-P195 Coax



PE3W10916

Connectors

Description	Connector 1	Connector 2
Type	TNC Female	TNC Male
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

Environmental Specifications

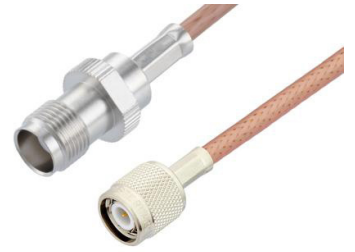
Operating Range Temperature -55 to +165 deg C

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

Plotted and Other Data

Notes:

TNC Female to TNC Male Low Loss Cable Using PE-P195 Coax



PE3W10916

Typical Performance Data

How to Order

Part Number Configuration:

PE3W10916

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W10916-12 = 12 inches long cable
PE3W10916-100cm = 100 cm long cable

TNC Female to TNC Male Low Loss Cable Using PE-P195 Coax 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: [TNC Female to TNC Male Low Loss Cable Using PE-P195 Coax PE3W10916](#)

URL: <https://www.pasternack.com/tnc-female-to-tnc-male-low-loss-cable-using-pe-p195-pe3w10916-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3W10916 CAD Drawing

TNC Female to TNC Male Low Loss Cable Using PE-P195 Coax

