



TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

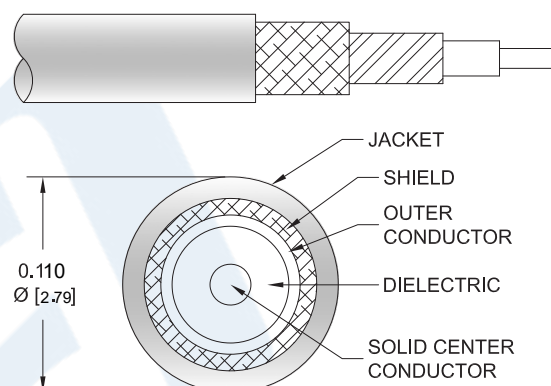
PE3W12245/HS

Configuration

- Connector 1: TNC Male Right Angle
- Connector 2: TNC Female Bulkhead
- Cable Type: LMR-100A

Features

- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W12245/HS TNC male right angle to TNC female bulkhead cable using LMR-100 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 female gender configuration with 50 ohm flexible LMR-100A coax. The right angle TNC interface on the LMR-100A cable allows for easier connections in tight spaces. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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: [TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink PE3W12245/HS](#)



TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W12245/HS

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		66		%
RF Shielding	90			dB
Group Delay		1.54 [5.05]		ns/ft [ns/m]
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Inductance		0.077 [0.25]		uH/ft [uH/m]
DC Resistance Inner Conductor		81 [265.75]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		9.5 [31.17]		Ω/1000ft [Ω/Km]
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.114 lbs [51.71 g]

Cable

Cable Type LMR-100A
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel
 Dielectric Type PE
 Number of Shields 2
 Shield Layer 1 Aluminum Tape
 Shield Layer 2 Tinned Copper Braid
 Jacket Material PVC, Black
 Jacket Diameter 0.11 in [2.79 mm]

One Time Minimum Bend Radius 0.25 in [6.35 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]
 Bending Moment 0.1 lbs-ft [0.14 N-m]
 Flat Plate Crush 10 lbs/in [0.18 Kg/mm]
 Tensile Strength 15 lbs [6.8 Kg]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink PE3W12245/HS](#)



TNC Male Right Angle to TNC Female Bulkhead Low
Loss Cable Using LMR-100 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W12245/HS

Connectors

Description	Connector 1	Connector 2
Type	TNC Male Right Angle	TNC Female Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	
Dielectric Type	POM	
Body Material and Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Storage Range

-70 to +85 deg C

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 Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink PE3W12245/HS](#)



TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W12245/HS

How to Order

Part Number Configuration:

PE3W12245/HS

- **xx**

uu

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

Example: PE3W12245/HS-12 = 12 inches long cable
PE3W12245/HS-100cm = 100 cm long cable

TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 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.

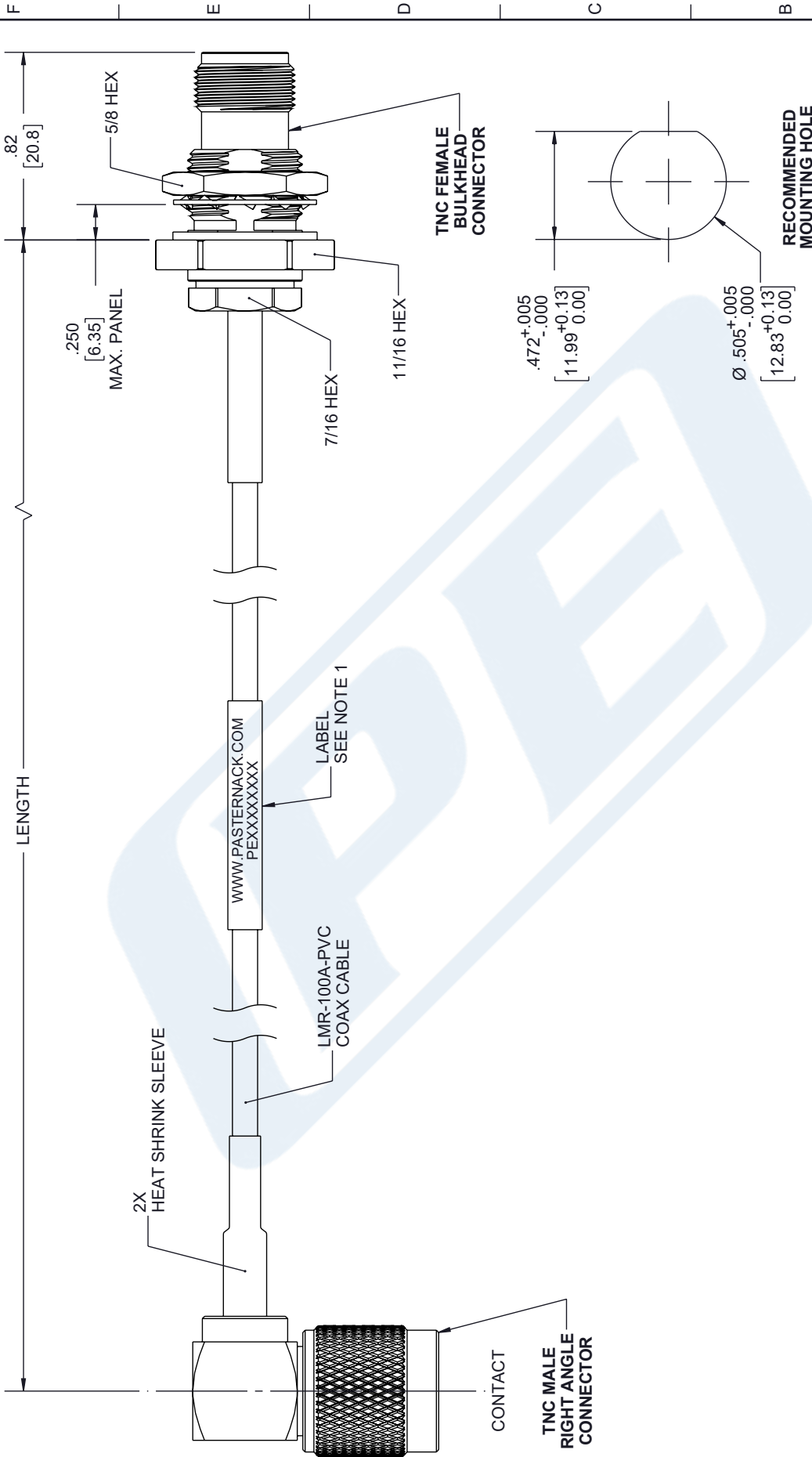
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink PE3W12245/HS](https://www.pasternack.com/tnc-male-right-angle-to-tnc-female-bulkhead-low-loss-cable-using-lmr-100-with-heatshrink-pe3w12245-hs)

URL: <https://www.pasternack.com/tnc-male-right-angle-to-tnc-female-bulkhead-low-loss-cable-using-lmr-100-with-heatshrink-pe3w12245-hs-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.

PE3W12245/HS CAD Drawing

TNC Male Right Angle to TNC Female Bulkhead Low Loss
Cable Using LMR-100 Coax with HeatShrink



NOTES:

- CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
- CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

PE PASTERNAK an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE	SHEET
DESCRIPTION TNC Male Right Angle to TNC Female Bulkhead Low Loss Cable Using LMR-100 Coax with HeatShrink		NONE	1 OF 1
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KDANG	PE3W12245/HS
REV		A	