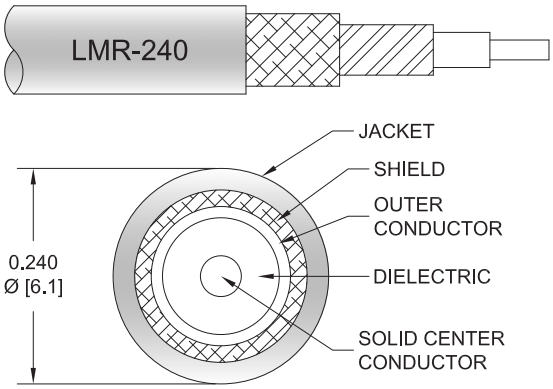
N Male to TNC Male Low Loss Cable Using LMR-240 Coax With Times Microwave Components with Double HeatShrink

PE3C2346/HS2

Configuration

- Connector 1: N Male
- Connector 2: TNC Male
- Cable Type: LMR-240
- Coax Flex Type: Flexible



Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2346/HS2 type N male to TNC male cable using LMR-240 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 type N to TNC cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240 coax. The PE3C2346/HS2 type N male to TNC male cable assembly operates to 5.8 GHz. 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
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		84		%
RF Shielding	90			dB
Group Delay		1.21 [3.97]		ns/ft [ns/m]
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		3.2 [10.5]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		3.89 [12.76]		Ohms/1000ft [Ohms/Km]

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

N Male to TNC Male Low Loss Cable Using LMR-240 Coax With Times Microwave Components with Double HeatShrink

PE3C2346/HS2

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Jacket Spark			5,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Max.)	0.039	0.055	0.079	0.129	0.204	dB/ft
	0.13	0.18	0.26	0.42	0.67	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1*sqrt(fghz) for the N male connector and 0.1 dB for the TNC male connector.

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.171 lbs [77.56 g]

Cable

Cable Type	LMR-240
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	0.24 in [6.1 mm]
One Time Minimum Bend Radius	0.75 in [19.05 mm]
Repeated Minimum Bend Radius	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Flat Plate Crush	20 lbs/in [0.36 Kg/mm]
Tensile Strength	80 lbs [36.29 Kg]

N Male to TNC Male Low Loss Cable Using LMR-240 Coax With Times Microwave Components with Double HeatShrink

PE3C2346/HS2

Connectors

Description	Connector 1	Connector 2
Type	N Male	TNC Male
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50µ in.	50µ in.
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	80µ in.	80µ in.
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	80µ in.	80µ in.

Environmental Specifications

Operating Range Temperature	-40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

N Male to TNC Male Low Loss Cable Using LMR-240 Coax With Times Microwave Components with Double HeatShrink

PE3C2346/HS2

Typical Performance Data

How to Order

Part Number Configuration: **PE3C2346/HS2 - xx uu**

- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- **xx** — Length
- **PE3C2346/HS2** — Base Number

Example: PE3C2346/HS2-12 = 12 inches long cable
PE3C2346/HS2-100cm = 100 cm long cable

N Male to TNC Male Low Loss Cable Using LMR-240 Coax With Times Microwave Components with Double 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: N Male to TNC Male Low Loss Cable Using LMR®-240 Coax With Times Microwave Components with Double HeatShrink PE3C2346/HS2

URL: https://www.pasternack.com/n-male-to-tnc-male-low-loss-cable-using-lmr-240-with-double-heatshrink-pe3c2346-hs2-p.aspx

PE3C2346/HS2 CAD Drawing

N Male to TNC Male Low Loss Cable Using LMR-240 Coax With Times Microwave Components with Double HeatShrink