

# Fire Rated Reverse Polarity TNC Plug to Straight Cut Lead Low Loss Cable Using LMR-240-FR Coax



### PE3C9557

#### Configuration

· Connector 1: TNC Plug Reverse Polarity

Connector 2: Straight Cut Lead
Cable Type: LMR-240-FR
Coax Flex Type: Flexible

#### **Features**

- Shielding Effectivity > 90 dB
- · 83% Phase Velocity
- · Double Shielded
- FRPE Jacket

#### **Applications**

· General Purpose

· Laboratory Use

## **Description**

Pasternack's PE3C9557 50 ohm reverse polarity TNC plug to straight cut lead cable using LMR-240-FR 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. 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		83		%
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]
Jacket Spark			5,000	Vrms

## **Mechanical Specifications**

Cable Assembly Width/Diameter Weight

0.5 in [12.7 mm] 0.073 lbs [33.11 g]



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Cable

Cable Type Impedance

Inner Conductor Type

Inner Conductor Material and Plating

Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Jacket Material

Jacket Diameter
One Time Minimum Bend Radius

Repeated Minimum Bend Radius Bending Moment Flat Plate Crush Tensile Strength LMR-240-FR

50 Ohms Solid Copper Foam PE

2

Aluminum Tape Tinned Copper FRPE, Black 0.24 in [6.1 mm] 0.75 in [19.05 mm] 2.5 in [63.5 mm] 0.25 lbs-ft [0.34 N-m] 20 lbs/in [0.36 Kg/mm]

80 lbs [36.29 Kg]

#### **Connectors**

Description	Connector 1	Connector 2	
Туре	TNC Plug Reverse Polarity	Straight Cut Lead	
Impedance	50 Ohms	0 Ohms	
Configuration	Straight	Straight	
Mating Cycles	500		
Contact Material and Plating	Phosphor Bronze, Gold		
Dielectric Type	PTFE		
Body Material and Plating	Brass, Nickel		
Coupling Nut Material and Plating	Brass, Nickel		

### **Environmental Specifications**

Compliance Certifications (see product page for current document)

#### **Plotted and Other Data**

Notes:



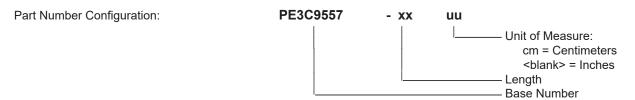
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## **Typical Performance Data**

#### **How to Order**



Example: PE3C9557-12 = 12 inches long cable

PE3C9557-100cm = 100 cm long cable

Fire Rated Reverse Polarity TNC Plug to Straight Cut Lead Low Loss Cable Using LMR-240-FR 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: Fire Rated Reverse Polarity TNC Plug to Straight Cut Lead Low Loss Cable Using LMR-240-FR Coax PE3C9557

URL: https://www.pasternack.com/fire-rated-reverse-polarity-tnc-plug-to-straight-cut-lead-low-loss-cable-using-lmr-240-fr-pe3c9557-p.aspx

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