



Reverse Polarity N Plug to Reverse Polarity TNC Plug Cable Using RG213 Coax

RF Cable Assemblies Technical Data Sheet

PE3C6568

Configuration

- Connector 1: N Plug Reverse Polarity
- Connector 2: TNC Plug Reverse Polarity
- Cable Type: RG213

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6568 reverse polarity type N plug to reverse polarity TNC plug cable using RG213 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 reverse polarity type N to reverse polarity TNC cable assembly has a plug to plug gender configuration with 50 ohm flexible RG213 coax. The PE3C6568 reverse polarity type N plug to reverse polarity TNC plug cable assembly operates to 1 GHz.

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: [Reverse Polarity N Plug to Reverse Polarity TNC Plug Cable Using RG213 Coax PE3C6568](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Typ.)	0.021	0.034	0.053	0.08		dB/ft
	0.07	0.11	0.17	0.26		dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.231 lbs [104.78 g]

Cable

Cable Type RG213
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper
 Dielectric Type PE
 Number of Shields 1
 Shield Layer 1 Copper Braid
 Jacket Material PVC, Black
 Jacket Diameter 0.405 in [10.29 mm]
 Repeated Minimum Bend Radius 1.6 in [40.64 mm]

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Reverse Polarity N Plug to Reverse Polarity
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Connectors

Description	Connector 1	Connector 2
Type	N Plug Reverse Polarity	TNC Plug Reverse Polarity
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Phosphor Bronze, Gold	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Material and Plating	Brass, Tri-Metal	

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C6568

- **xx**

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

Example: PE3C6568-12 = 12 inches long cable
PE3C6568-100cm = 100 cm long cable

Reverse Polarity N Plug to Reverse Polarity TNC Plug Cable Using RG213 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.

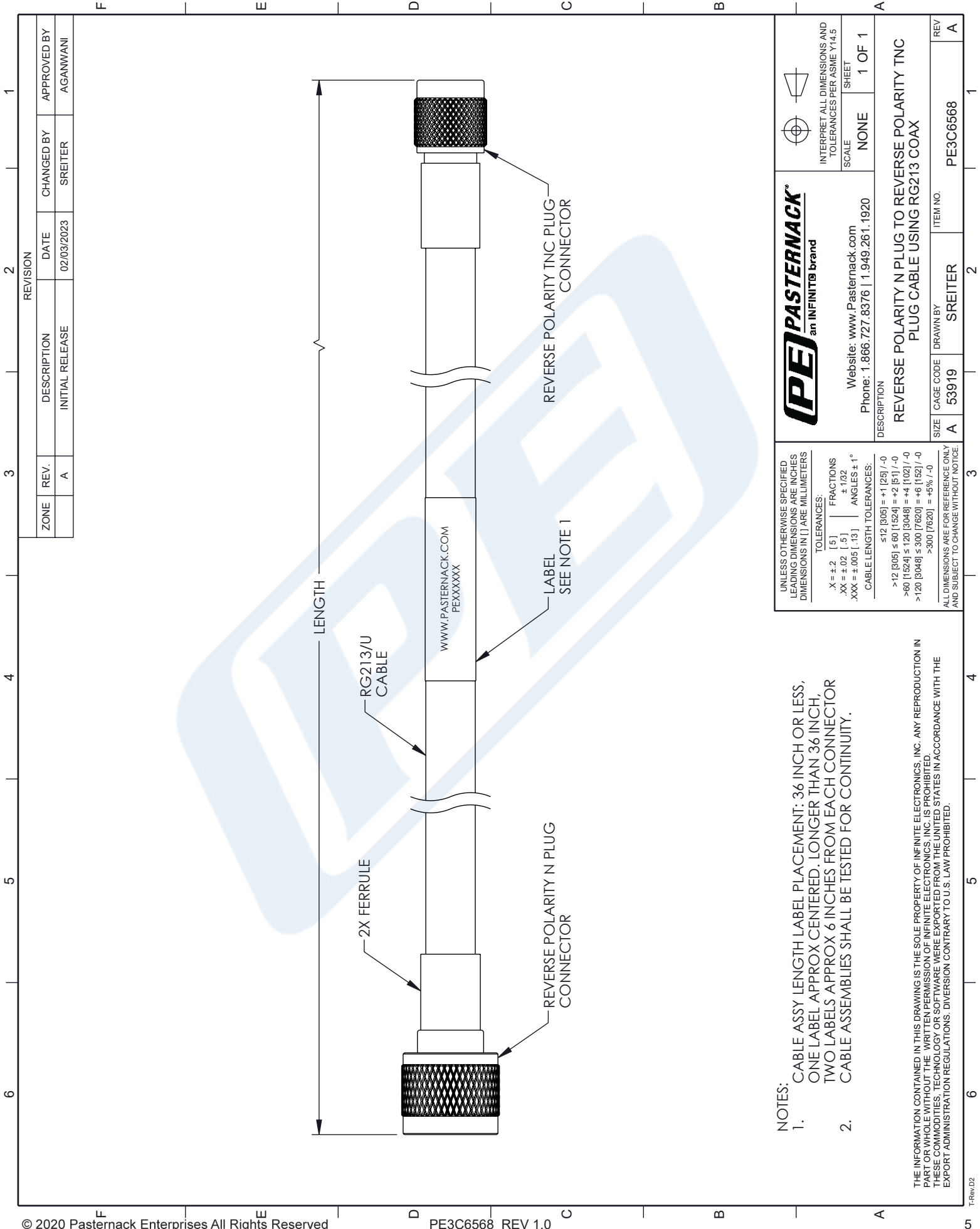
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity N Plug to Reverse Polarity TNC Plug Cable Using RG213 Coax PE3C6568](https://www.pasternack.com/reverse-polarity-n-plug-to-reverse-polarity-tnc-plug-cable-using-rg213-pe3c6568-p.aspx)

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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.

PE3C6568 CAD Drawing

Reverse Polarity N Plug to Reverse Polarity TNC Plug Cable Using RG213 Coax



NOTES:

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

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK an INFINITO brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
X = ±.2 [5] FRACTIONS .XX = ±.02 [.5] ±.1/32 .XXX = ±.005 [.13] ANGLES ± 1°		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE SHEET 1 OF 1	
CABLE LENGTH TOLERANCES: ≤12 [305] = +1 [25] / -0 >12 [305] ≤ 60 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0		DESCRIPTION REVERSE POLARITY N PLUG TO REVERSE POLARITY TNC PLUG CABLE USING RG213 COAX		REV A	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.		CAGE CODE 53919 DRAWN BY SREITER ITEM NO. PE3C6568		REV A	