

N Male to N Female Bulkhead Cable 48 Inch Length Using ET-RG 214 Coax



RF Cable Assemblies Technical Data Sheet

ET26524

Configuration

Connector 1: N Male

Connector 2: N Female Bulkhead

Cable Type: ET-RG214

Features

- Max Frequency 11 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET26524 type N male to type N female bulkhead 48 inch cable using ET-RG214 coax is part of our full line of RF components available for same-day shipping. Ebeestock's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Ebeestock type N to type N cable assembly has a male to female gender configuration with 50 ohm flexible ET-RG214 coax. The ET26524 type N male to type N female cable assembly operates to 11 GHz. Our RF cable assembly with type N 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 Ebeestock 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.

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 N Female Bulkhead Cable 48 Inch Length Using ET-RG214 Coax ET26524

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Insertion Loss (Typ.)	0.23	0.29	0.51	1.03	1.67	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm] Diameter 0.815 in [20.7 mm] 0.724 lbs [328.4 g] Weight

Cable

Cable Type ET-RG214 Impedance 50 Ohms Inner Conductor Type Stranded Inner Conductor Material and Plating Copper, Silver PE Dielectric Type Number of Shields Shield Layer 1 Silver Plated Copper Braid Silver Plated Copper Braid Shield Layer 2 Jacket Material PVC, Black 0.425 in [10.8 mm] Jacket Diameter

Repeated Minimum Bend Radius 1.6 in [40.64 mm]

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Connectors

Description	Connector 1	Connector 2	
Туре	N Male	N Female Bulkhead	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
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

Temperature

Operating Range

-20 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes

Values at 25°C, sea level.

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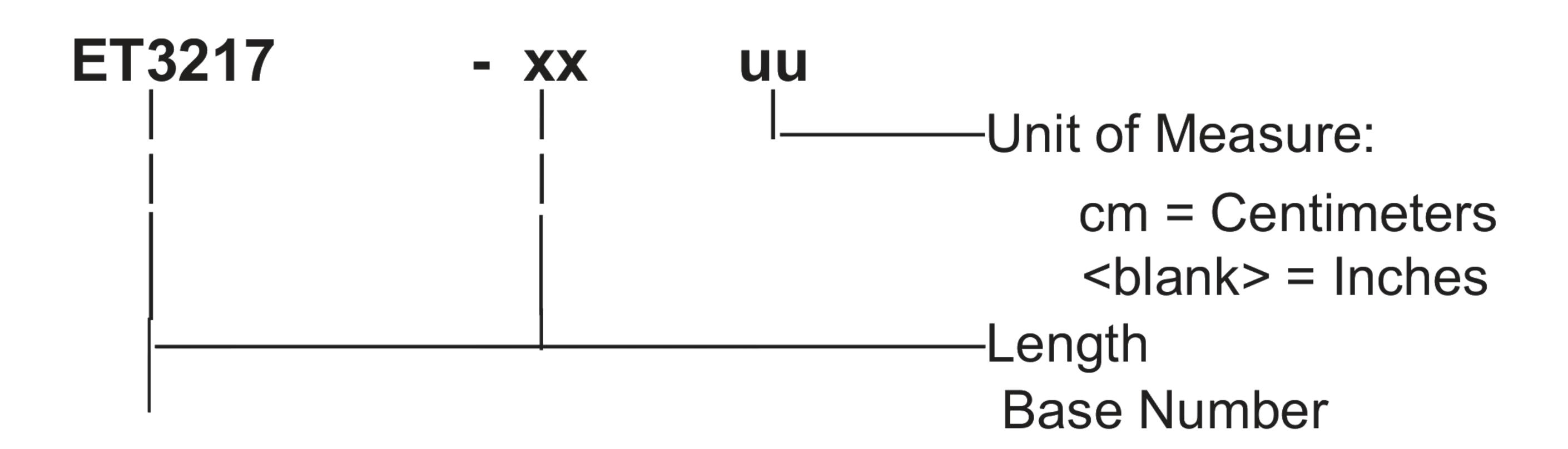


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How to Order

Part Number Configuration:



Example: ET3217-12 = 12 inches long cable

ET3217-100cm = 100 cm long cable

N Male to N Female Bulkhead Cable 48 Inch Length Using ET-RG214 Coax from Ebeestock 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.

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URL: https://www.ebeestock.com/n-male-to-n-male-cable-12-inch-length-using-rg218-coax-rohs-0026

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

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