



RF Cable Assemblies Technical Data Sheet

ET26462

Configuration

Connector 1: N Male
Connector 2: N Male
Cable Type: ET-RG214

Features

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

Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET26462 type N male to type N male 12 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 male gender configuration with 50 ohm flexible ET-RG214 coax. The ET26462 type N male to type N male cable assembly operates to 11 GHz. 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 Male Cable 12 Inch Length Using ET-RG214 Coax ET26462

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			1.5:1	
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	0.5	1	2.5	5	11	GHz
Insertion Loss (Typ.)	0.22	0.22	0.33	0.41	0.57	dB

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Length* 12 in [304.8 mm] Weight 0.266 lbs [120.66 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields

ET-RG214
50 Ohms
Stranded
Copper, Silver
PE

Shield Layer 1
Shield Layer 2
Silver Plated Copper Braid
Silver Plated Copper Braid
PVC, Black

Jacket Diameter 0.425 in [10.8 mm]

Repeated Minimum Bend Radius 1.6 in [40.64 mm]

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Connectors

Description	Connector 1	Connector 2	
Туре	N Male	N Male	
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	Brass, Nickel	
Coupling Nut Plating Specification	100 μin minimum	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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www.ebeestock.com





Base Number

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How to Order

Part Number Configuration:

ET3062 - xx uu

Unit of Measure:

cm = Centimeters

Length

Example: ET26462 = 12 inches long cable

ET3062-100cm = 100 cm long cable

N Male to N Male Cable 12 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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