

MCX Plug to TNC Female Bulkhead Cable 50 cm Length Using ET-ET-RG174 Coax



CONDUCTOR

## RF Cable Assemblies Technical Data Sheet

ET24906

# Configuration

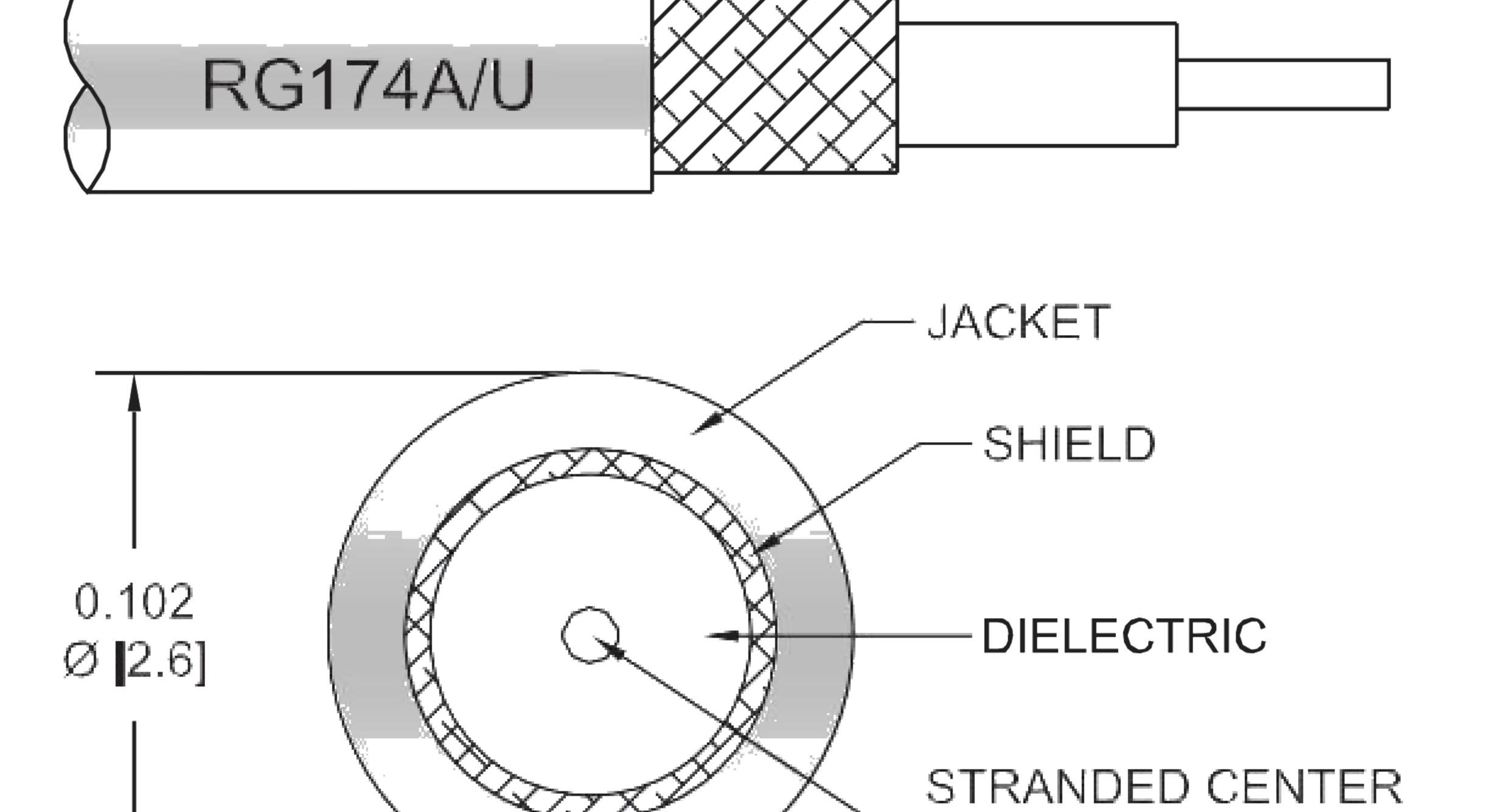
Connector 1: MCX Plug

Connector 2: TNC Female Bulkhead

Cable Type: ET-RG174

### Features

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



# Applications

General Purpose

Laboratory Use

#### Description

Ebeestock's ET24906 MCX plug to TNC female bulkhead 50 cm cable using ET-RG174 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 MCX to TNC cable assembly has a plug to female gender configuration with 50 ohm flexible ET-RG174 coax. The ET24906 MCX plug to TNC female cable assembly operates to 1 GHz. Our RF cable assembly with TNC 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.

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		1,000	MHz
VSWR			1.5:1	
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		pF/ft [pF/m]
				<u> </u>

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Plug to TNC Female Bulkhead Cable 50 cm Length Using ET-RG174 Coax ET24906

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



MCX Plug to TNC Female Bulkhead Cable 50 cm Length Using ET-ET-RG174 Coax



## RF Cable Assemblies Technical Data Sheet

ET24906

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Max.)	0.337	0.401	0.508	0.724		dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

## Mechanical Specifications

### Cable Assembly

Length\* 19.68 in [499.87 mm] Diameter 0.68 in [17.27 mm]

#### Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating

ET-RG174
50 Ohms
Stranded
Copper Clad Steel, Silver

Dielectric Type
Number of Shields

Shield Layer 1

Jacket Material

Jacket Diameter

Tinned Copper Braid

PVC, Black

0.11 in [2.79 mm]

### Connectors

Description	Connector 1	Connector 2	
Type	MCX Plug	TNC Female Bulkhead	
Specification	CECC 22220	MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold	
Contact Plating Specification	30 µin minimum		
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100 µin minimum		

Mechanical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Plug to TNC Female Bulkhead Cable 50 cm Length Using ET-RG174 Coax ET24906

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

<sup>\*</sup>All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.



MCX Plug to TNC Female Bulkhead Cable 50 cm Length Using ET-ET-RG174 Coax



# RF Cable Assemblies Technical Data Sheet

ET24906

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order



Example: ET3W03310-12 = 12 inches long cable

ET3W03310-100cm = 100 cm long cable

MCX Plug to TNC Female Bulkhead Cable 50 cm Length Using ET-RG174 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Plug to TNC Female Bulkhead Cable 50 cm Length Using ET-RG174 Coax ET3W03310- 50CM

**URL:** https://www.ebeestock.com/mcx-plug-to-tnc-female-bulkhead-cable-12-inch-length-using-rg174 -coax-0024901

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.

