



RF Cable Assemblies Technical Data Sheet

ET29605

Configuration

Connector 1: N Male

• Connector 2: TNC Female Bulkhead

Cable Type: ET-RG400

Features

- Max Frequency 6 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET29605 type N male to TNC female bulkhead 24 inch cable using ET-RG400 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 TNC cable assembly has a male to female gender configuration with 50 ohm flexible ET-RG400 coax. The ET29605 type N male to TNC female cable assembly operates to 6 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. 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 TNC Female Bulkhead Cable 24 Inch Length Using ET-RG400 Coax ET29605

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		6	GHz
VSWR			1.45:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Max.)	0.3	0.32	0.5	0.52	0.86	dB

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Length* 24 in [609.6 mm]

Diameter 0.812 in [20.62 mm]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type

ET-RG400
50 Ohms
Stranded
Copper, Silver
PTFE

Number of Shields
Shield Laver 1
Silver Plat

Shield Layer 1
Silver Plated Copper Braid
Silver Plated Copper Braid

Jacket Material FEP, Tan

Jacket Diameter 0.195 in [4.95 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

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Connectors

Description	Connector 1	Connector 2	
Туре	N Male	TNC Female Bulkhead	
Specification	MIL-STD-348	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Silver	Brass, Gold	
Contact Plating Specification	ASTM-B700	30 µin minimum	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	ASTM-B689	100 μin minimum	
Coupling Nut Material and Plating	Brass, Nickel		
Coupling Nut Plating Specification	ASTM-B689		

Environmental Specifications

Temperature

Operating Range

-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

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How to Order

Part Number Configuration:

ET3W07264
- xx uu

Unit of Measure:

cm = Centimeters

Length

Base Number

Example: ET3W07264-12 = 12 inches long cable

ET3W07264-100cm = 100 cm long cable

N Male to TNC Female Bulkhead Cable 24 Inch Length Using ET-RG400 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-tnc-female-bulkhead-cable-12-inch-length-using-rg400-c oax-0029604

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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