

N Male to SSMC Plug Cable 24 Inch Length Using ET-RG316 Coax



RF Cable Assemblies Technical Data Sheet

ET28677

Configuration

Connector 1: N Male
Connector 2: SSMC Plug
Cable Type: ET-RG316

Features

- SSMC Cable Assembly Max. Operating Frequency of 1 GHz
- Small SSMC cable connection form factor (50% smaller than SMA, radially)
- Reliable threaded coupling
- In stock and ready to ship

Applications

- SSMC Cable General Purpose Test
- Data Acquisition Systems
- A/D Conversion Systems
- Ultra Wideband Digital Receivers
- Software defined radio (SDR)

Description

Ebeestock's SSMC cable assemblies are part of our full line of RF components available for same-day shipping. These SSMC cable assemblies are designed to connect SSMC system components and test connections, delivering signal frequencies as high as 12.4 GHz. Our family of SSMC cables can also be used to connect SSMC ports on data acquisition systems, A/D modules or SSMC coax patch panels. If none of our standard options fit your application, you can specify your own custom SSMC cable assembly using Ebeestock's online Cable Creator.

Our SSMC cable assembly datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock's broad catalog of RF, microwave and millimeter wave cable assemblies allow designers to configure and customize their signal connections however they like. Whether the need is to provide SSMC cabling for a data acquisition system, or simply create a custom cable assembly configuration, Ebeestock has the right cable assemblies for the job. Ebeestock can also expertly build your custom cable assemblies for you and ship same day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.5:1	
Velocity of Propagation		69		%
Operating Voltage (AC)			250	Vrms

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 SSMC Plug Cable 24 Inch Length Using ET-RG316 Coax ET28677



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.1	0.4	1	3	GHz
Insertion Loss (Typ.)	0.35	0.42	0.62	0.96	1.36	dB

Mechanical Specifications

Cable Assembly

Length* 24 in [609.6 mm]

Diameter 0.8 in [20.32 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET-RG316
50 Ohms
Stranded

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type

Number of Shields

1

Shield Layer 1
Silver Plated Copper Braid

Jacket Material FEP, Tan

Jacket Diameter 0.098 in [2.49 mm]

Connectors

Description	Connector 1	Connector 2		
Type	N Male	SSMC Plug		
Specification	MIL-STD-348A			
Impedance	50 Ohms	50 Ohms		
Mating Cycles		500		
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold		
Contact Plating Specification	30 µin minimum	MIL-G-45204		
Dielectric Type	PTFE	Teflon		
Body Material and Plating	Brass, Nickel	Beryllium Copper, Gold		
Body Plating Specification	100 μin minimum	MIL-G-45204		
Coupling Nut Material and Plating	Brass, Nickel	Beryllium Copper, Gold		
Coupling Nut Plating Specification	100 μin minimum	MIL-G-45206		
Torque		1.75 in-lbs [0.2 Nm]		

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



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Mechanical Specification Notes:

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

Environmental Specifications

Temperature

Operating Range

-55 to +165 deg C

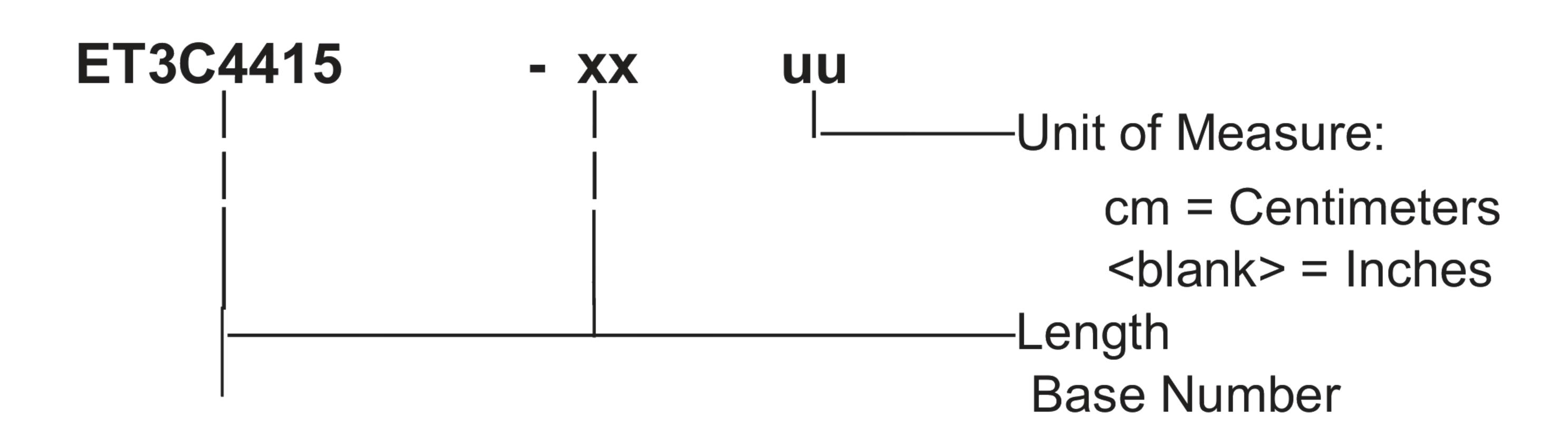
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: ET3C4415-12 = 12 inches long cable

ET3C4415-100cm = 100 cm long cable

N Male to SSMC Plug Cable 24 Inch Length Using ET-RG316 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-ssmc-plug-cable-6-inch-length-using-rg316-coax-0028674

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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