

N Male to SSMC Plug Right Angle Cable 6 Inch Length Using ET-ET-RG178 Coax



RF Cable Assemblies Technical Data Sheet

ET28722

Configuration

Connector 1: N Male

• Connector 2: SSMC Plug Right Angle

Cable Type: ET-RG178

Features

- SSMC Cable Assembly Max. Operating Frequency of 2 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		2	GHz
VSWR			1.5:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
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 Right Angle Cable 6 Inch Length Using ET-RG178 Coax ET28722



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Insertion Loss (Typ.)	0.27	0.31	0.43			dB

Mechanical Specifications

Cable Assembly

Length* 6 in [152.4 mm]
Diameter 0.8 in [20.32 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET-RG178
50 Ohms
Stranded

Inner Conductor Material and Plating

Copper Clad Steel, Silver

Dielectric Type
Number of Shields
Shield Layer 1
PTFE
Sliver

Shield Layer 1
Silver Plated Copper Braid
FEP, Tan

Jacket Diameter 0.072 in [1.83 mm]

Repeated Minimum Bend Radius 0.4 in [10.16 mm]

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Connectors

Description	Connector 1	Connector 2		
Type	N Male	SSMC Plug Right Angle		
Specification	MIL-STD-348			
Impedance	50 Ohms	50 Ohms		
Mating Cycles		500		
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold		
Contact Plating Specification	ASTM-B488	MIL-G-45204		
Dielectric Type	PTFE	Teflon		
Body Material and Plating	Brass, Nickel	Brass, Gold		
Body Plating Specification	ASTM-B689	MIL-G-45204		
Coupling Nut Material and Plating	Brass, Nickel	Beryllium Copper, Gold		
Coupling Nut Plating Specification	ASTM-B689	MIL-G-45204		
Torque		1.75 in-lbs [0.2 Nm]		

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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



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How to Order

Part Number Configuration:

ET3C4467 - xx uu

Unit of Measure:

cm = Centimeters

chlank> = Inches

Base Number

Example: ET3C4467-12 = 12 inches long cable

ET3C4467-100cm = 100 cm long cable

N Male to SSMC Plug Right Angle Cable 6 Inch Length Using ET-RG178 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-right-angle-cable-6-inch-length-using-rg178-coax-0028722

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