

N Male to SSMC Plug Low Loss Cable 72 Inch Length Using ET-L MR-100 Coax



RF Cable Assemblies Technical Data Sheet

ET28697

Configuration

Connector 1: N Male
Connector 2: SSMC Plug
Cable Type: ET-LMR-100A

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		66		%
RF Shielding	90			dB
Group Delay		1.54 [5.05]		ns/ft [ns/m]
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Inductance		0.077 [0.25]		uH/ft [uH/m]
DC Resistance Inner Conductor		81 [265.75]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		9.5 [31.17]		Ω/1000ft [Ω/Km]

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 Low Loss Cable 72 Inch Length Using ET-LMR-100 Coax ET28697



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Jacket Spark	2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	250	500	1,000			MHz
Insertion Loss (Typ.)	0.92	1.22	1.64			dB

Mechanical Specifications

Cable Assembly

Length* 72 in [182.88 cm]
Diameter 0.8 in [20.32 mm]

Cable

Cable Type
Impedance
Inner Conductor Type
Solid

Inner Conductor Material and Plating

Copper Clad Steel

Dielectric Type

Dielectric Type

Number of Shields

Shield Layer 1

Shield Layer 2

Jacket Material

Jacket Diameter

PE

Aluminum Tape

Tinned Copper Braid

PVC, Black

0.11 in [2.79 mm]

One Time Minimum Bend Radius

0.25 in [6.35 mm]

Repeated Minimum Bend Radius

1 in [25.4 mm]

0.1 lbs-ft [0.14 N-m]

Bending Moment

Flat Plate Crush

Tensile Strength

0.1 lbs-ft [0.14 N-m]

10 lbs/in [0.18 Kg/mm]

15 lbs [6.8 Kg]

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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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Connectors

Description	Connector 1	Connector 2
Туре	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]

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range -40 to +85 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:

ET3C4432
- xx uu

Unit of Measure:

cm = Centimeters

chlank> = Inches

Base Number

Example: ET3C4432-12 = 12 inches long cable ET3C4432-100cm = 100 cm long cable

N Male to SSMC Plug Low Loss Cable 72 Inch Length Using ET-LMR-100 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-low-loss-cable-6-inch-length-using-lmr-100-c oax-0028690

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