

MMCX Plug to SMA Male Right Angle Cable 200 cm Length Using ET-LMR-100 Coax , LF Solder



RF Cable Assemblies Technical Data Sheet

ET26254

Configuration

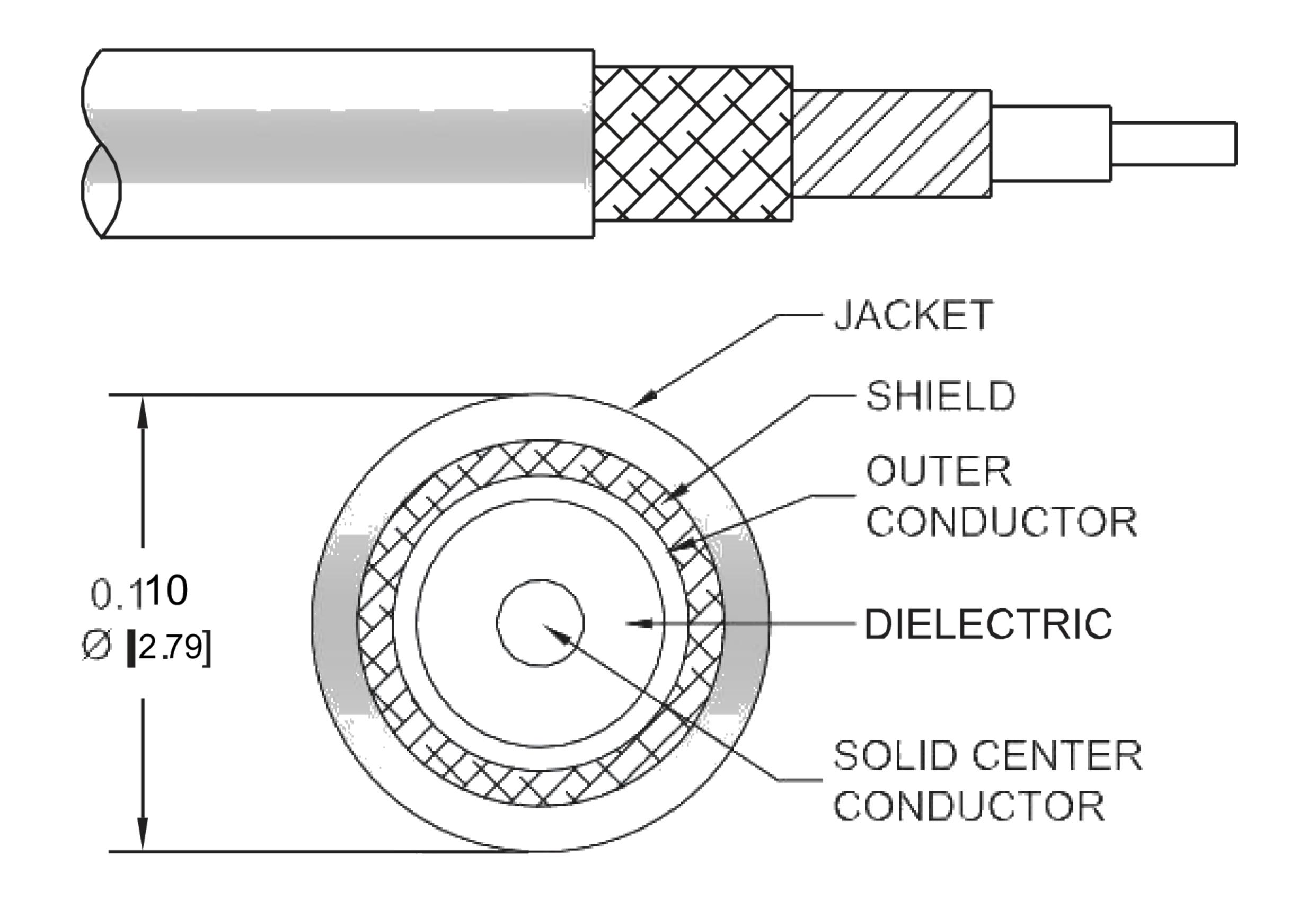
• Connector 1: MMCX Plug

• Connector 2: SMA Male Right Angle

Cable Type: ET-LMR-100A

Features

- Max Frequency 3 GHz
- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET26254 MMCX plug to SMA male right angle 200 cm cable using ET-LMR-100 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 MMCX to SMA cable assembly has a plug to male gender configuration with 50 ohm flexible ET-LMR-100A coax. The ET26254 MMCX plug to SMA male cable assembly operates to 3 GHz. The right angle SMA interface on the ET-LMR-100A cable allows for easier connections in tight spaces. The double shielding of this Ebeestock cable assembly provides excellent shielding effectiveness of better than 90 dB.

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: MMCX Plug to SMA Male Right Angle Cable 200 cm Length Using ET-LMR-100 Coax, LF Solder ET26254

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		3	GHz
VSWR			1.45:1	
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]
Jacket Spark			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.67	0.77	0.94	1.27	2.62	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 for the MMCX connector and 0.2 dB for the SMA connector.

Mechanical Specifications

Cable Assembly

Length* 78.74 in [200 cm] 0.315 in [8 mm] Diameter

Cable

Cable Type ET-LMR-100A 50 Ohms Impedance Inner Conductor Type Solid

Inner Conductor Material and Plating Copper Clad Steel

PE Dielectric Type Number of Shields

Aluminum Tape Shield Layer 1 Shield Layer 2 Tinned Copper Braid

Jacket Material PVC, Black 0.11 in [2.79 mm] Jacket Diameter

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One Time Minimum Bend Radius Repeated Minimum Bend Radius Bending Moment Flat Plate Crush Tensile Strength 0.25 in [6.35 mm]
1 in [25.4 mm]
0.1 lbs-ft [0.14 N-m]
10 lbs/in [0.18 Kg/mm]
15 lbs [6.8 Kg]

Connectors

Description	Connector 1	Connector 2	
Туре	MMCX Plug	SMA Male Right Angle	
Specification	BS EN 122340	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification	30 µin minimum	50 μin minimum	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating	Brass, Gold		
Outer Conductor Plating Specification	3 µin minimum		
Body Material and Plating	Brass, Gold	Brass, Nickel	
Body Plating Specification	3 µin minimum	100 μin minimum	
Coupling Nut Material and Plating		Brass, Nickel	
Coupling Nut Plating Specification		100 μin minimum	
Hex Size		5/16 inch	
Torque		3 in-lbs [0.34 Nm]	

Environmental SpecificationsTemperature

Operating Range

-40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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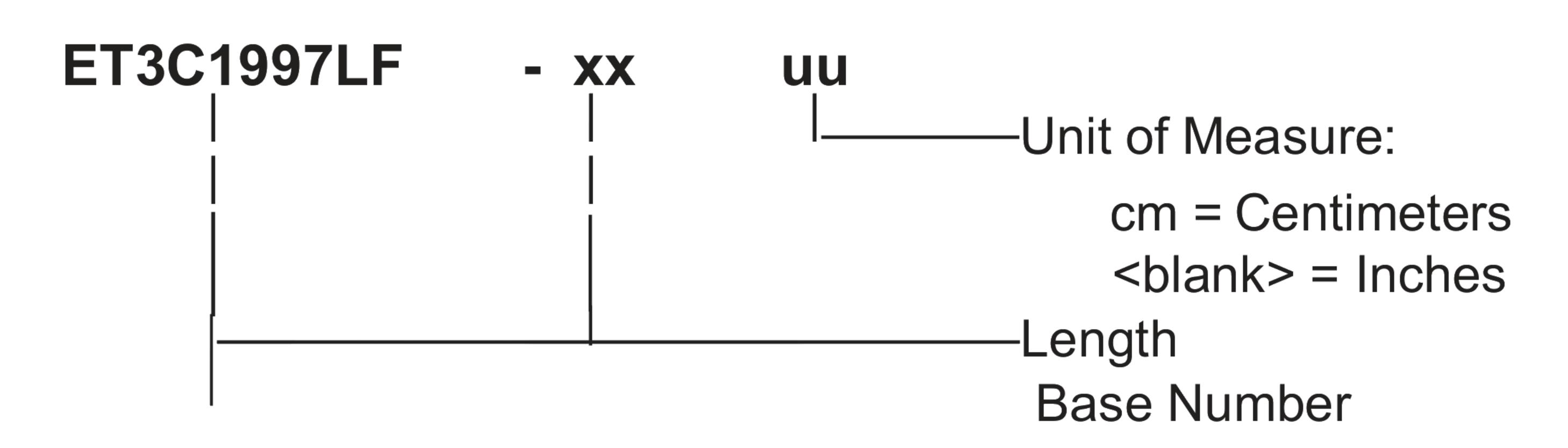


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How to Order

Part Number Configuration:



Example: ET3C1997LF-12 = 12 inches long cable

ET3C1997LF-100cm = 100 cm long cable

MMCX Plug to SMA Male Right Angle Cable 200 cm Length Using ET-LMR-100 Coax, LF Solder 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/mmcx-plug-to-sma-male-right-angle-cable-12-inch-length-using-lmr -100-coax-lf-solder-0026246

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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