

SMB Plug to SMB Plug Cable 72 Inch Length Using ET-RG316 Coa x, LF Solder, RoHS



RF Cable Assemblies Technical Data Sheet

ET30916

Configuration

Connector 1: SMB Plug
Connector 2: SMB Plug
Cable Type: ET-RG316

Features

- Max Frequency 3 GHz
- FEP Jacket

Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET30916 SMB plug to SMB plug 72 inch cable using ET-RG316 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 SMB to SMB cable assembly has a plug to plug gender configuration with 50 ohm flexible ET-RG316 coax. The ET30916 SMB plug to SMB plug cable assembly operates to 3 GHz.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.57:1	
Return Loss		15.56		dB
Capacitance		32 [104.99]		pF/ft [pF/m]
Channel-to-Channel Insertion Loss Match		38		dB

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.86	1.16	1.63	2.48	3.68	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Plug to SMB Plug Cable 72 Inch Length Using ET-RG316 Coax, LF Solder, RoHS ET30916

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



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Mechanical Specifications

Cable Assembly

 Length*
 72 in [182.88 cm]

 Diameter
 0.256 in [6.5 mm]

 Weight
 0.079 lbs [35.83 g]

Cable

Cable Type
Impedance
Inner Conductor Type

ET-RG316
50 Ohms
Stranded

Inner Conductor Material and Plating Copper Clad Steel, Silver

Shield Layer 1 Silver Plated Copper Braid

Jacket Material FEP, Ta

Jacket Diameter 0.098 in [2.49 mm]

Connectors

Description	Connector 1	Connector 2	
Type	SMB Plug	SMB Plug	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Contact Plating Specification	30μ in. minimum	30μ in. minimum	
Dielectric Type	Teflon	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100μ in. minimum	100μ in. minimum	
Body Plating Specification	100μ in. minimum	100µ in. minimum	

Mechanical Specification Notes:

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

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



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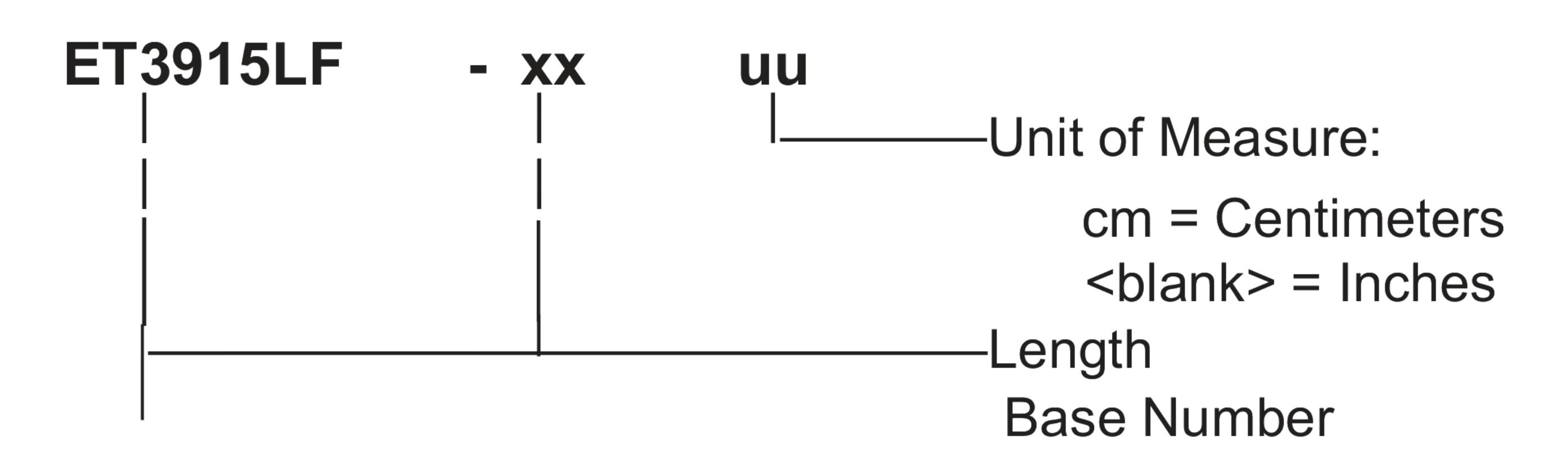


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How to Order

Part Number Configuration:



Example: ET3915LF-12 = 12 inches long cable

ET3915LF-100cm = 100 cm long cable

SMB Plug to SMB Plug Cable 72 Inch Length Using ET-RG316 Coax, LF Solder, RoHS 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/smb-plug-to-smb-plug-cable-12-inch-length-using-rg316-coax-lf-so lder-rohs-0030911

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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ET30916 CAD Drawing

SMB Plug to SMB Plug Cable 72 Inch Length Using ET-RG316 Coax, LF Solder, RoHS

