SMB Plug to SMB Plug Cable 24 Inch Length Using ET-RG316 Coax, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet ET30912

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 ET30912 SMB plug to SMB plug 24 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 ET30912 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.)	0.42	0.52	0.677	0.96	1.36	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 24 Inch Length Using ET-RG316 Coax, LF Solder, RoHS ET30912

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved

SMB Plug to SMB Plug Cable 24 Inch Length Using ET-RG316 Coax, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet ET30912

Mechanical Specifications

Cable Assembly

Length*	24 in [609.6 mm]
Diameter	0.256 in [6.5 mm]
Weight	0.035 lbs [15.88 g]

Cable

Cable Type	ET-RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
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	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

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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
- Values at 25°C, sea level.

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 24 Inch Length Using ET-RG316 Coax, LF Solder, RoHS ET30912

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved

SMB Plug to SMB Plug Cable 24 Inch Length Using ET-RG316 Coa
x, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet ET30912

How to Order

Part Number Configuration: **ET3915LF - xx uu**

- **ET3915LF** — Base Number
- **xx** — Length
- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches

Example: ET3915LF-12 = 12 inches long cable
ET3915LF-100cm = 100 cm long cable

SMB Plug to SMB Plug Cable 24 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.

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 24 Inch Length Using ET-RG316 Coax, LF Solder, RoHS ET30912

URL: https://www.ebeestock.com/smb-plug-to-smb-plug-cable-12-inch-length-using-rg316-coax-lf-solder-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.

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

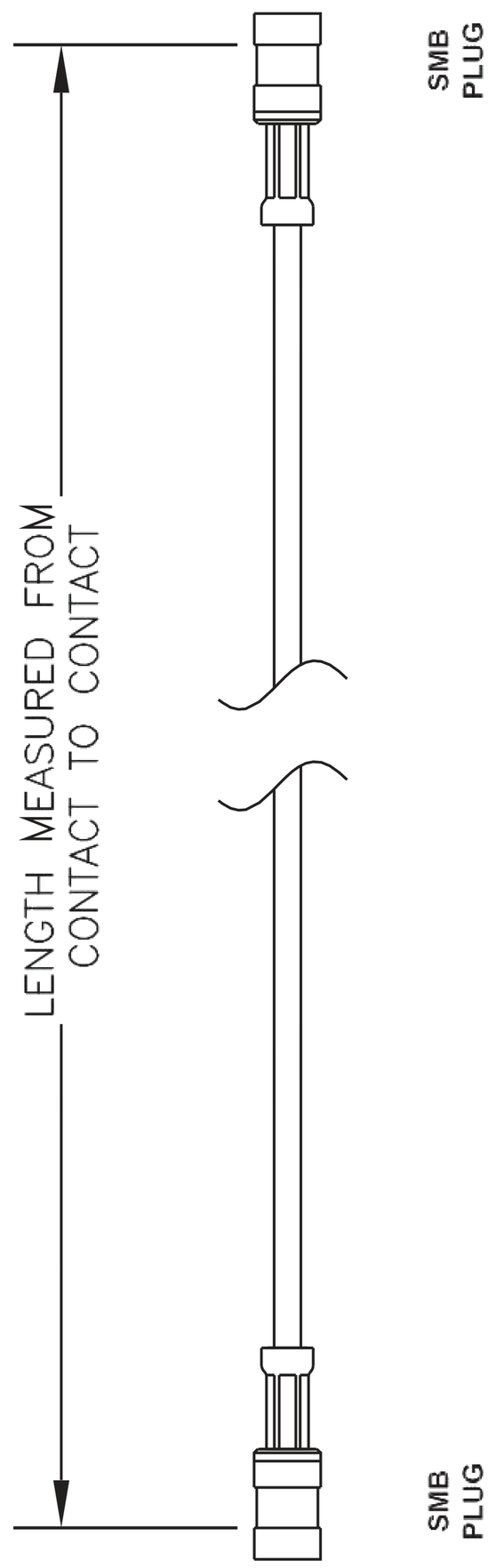
Webstie:www.ebeestock.com Email:sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved

ET30912 CAD Drawing

SMB Plug to SMB Plug Cable 24 Inch Length Using ET-RG316 Coax, LF Solder, RoHS

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches



RoHS 2002/95/EC
RoHS Compliance Certified

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE
PE3915LF-XX

REV. A	FSCM NO. 53919	CAD FILE 120708	SCALE N/A	SIZE A	127

ebeestock
Ebeestock.com
8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.
Webstie: www.ebeestock.com **Email:** sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved