

SMB Plug to MMCX Plug Cable 100 cm Length Using ET38399 Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

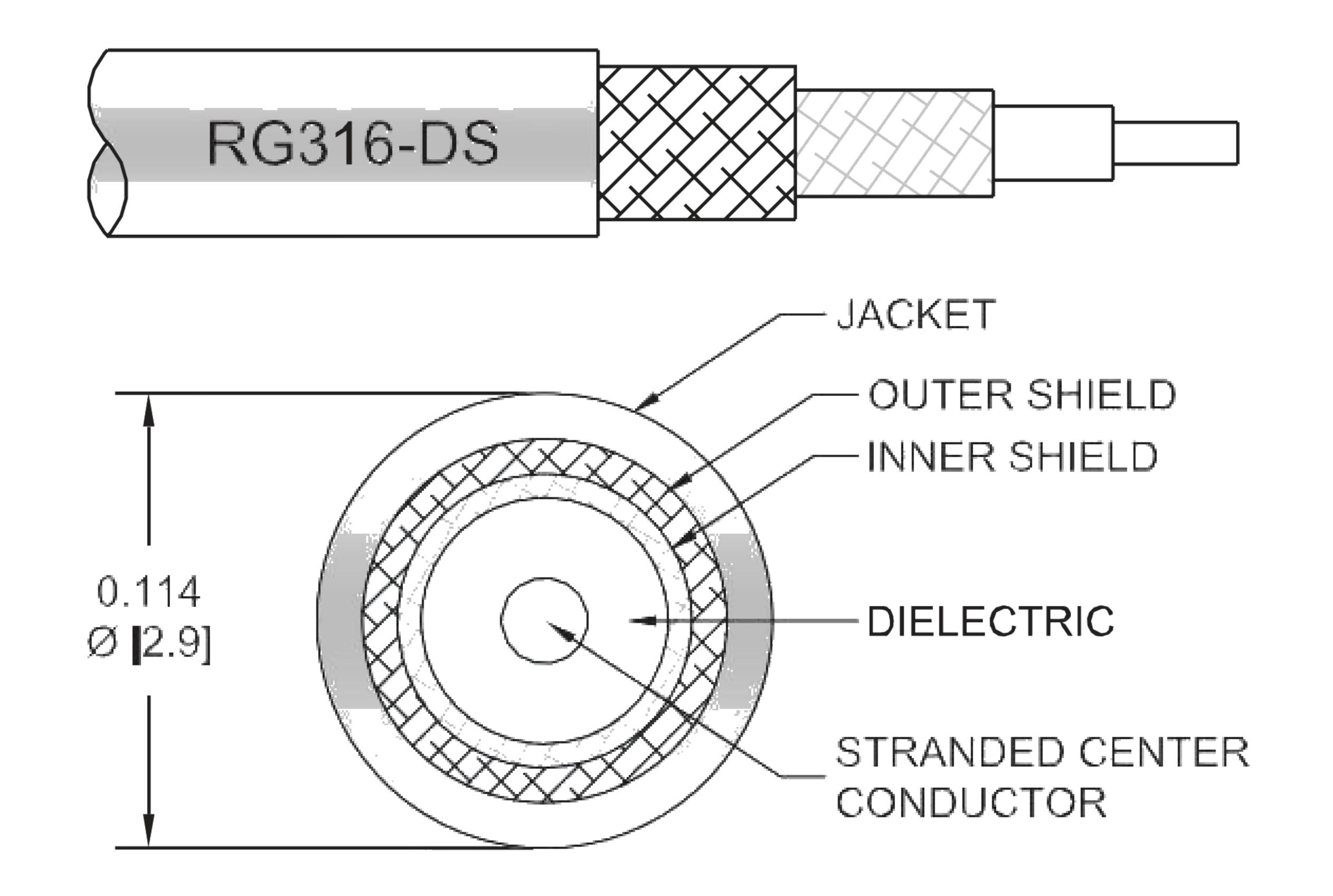
ET30980

Configuration

Connector 1: SMB Plug
Connector 2: MMCX Plug
Cable Type: ET38399

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET30980 SMB plug to MMCX plug 100 cm cable using ET38399 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 MMCX cable assembly has a plug to plug gender configuration with 50 ohm flexible ET38399 coax. The ET30980 SMB plug to MMCX plug cable assembly operates to 3 GHz. The double shielding of this Ebeestock cable assembly provides excellent shielding effectiveness.

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			1.45:1	
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: SMB Plug to MMCX Plug Cable 100 cm Length Using ET38399 Coax with HeatShrink ET30980

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



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	0.53	0.64	0.86	1.52	1.74	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 cm]
Diameter 0.256 in [6.5 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38399

50 Ohms
Stranded

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type
Number of Shields
2

Shield Layer 1
Silver Plated Copper Braid
Silver Plated Copper Braid

Jacket Material FEP, Tan

Jacket Diameter 0.114 in [2.9 mm]

Repeated Minimum Bend Radius 0.6 in [15.24 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	SMB Plug	MMCX Plug	
Specification	MIL-STD-348A		
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold	
Contact Plating Specification	30μ in. minimum	30µ in. minimum	
Dielectric Type	Teflon	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Gold	
Body Plating Specification	100μ in. minimum	3μ in. minimum	

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Mechanical Specification Notes:

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

Environmental Specifications

Temperature

Operating Range

-55 to +155 deg C

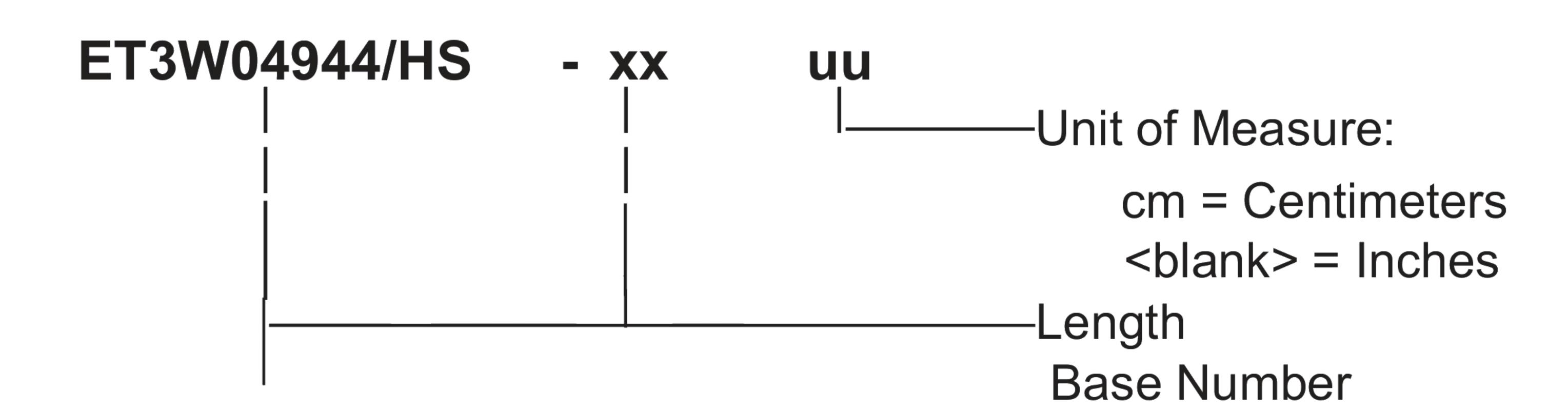
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: ET3W04944/HS-12 = 12 inches long cable

ET30980 = 100 cm long cable

SMB Plug to MMCX Plug Cable 100 cm Length Using ET38399 Coax with HeatShrink 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-mmcx-plug-cable-12-inch-length-using-rg316-ds-coax-with-heatshrink-0030974

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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