

Water Blue FAKRA Jack to MCX Plug Cable 200 cm Length Using ET-RG316 Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

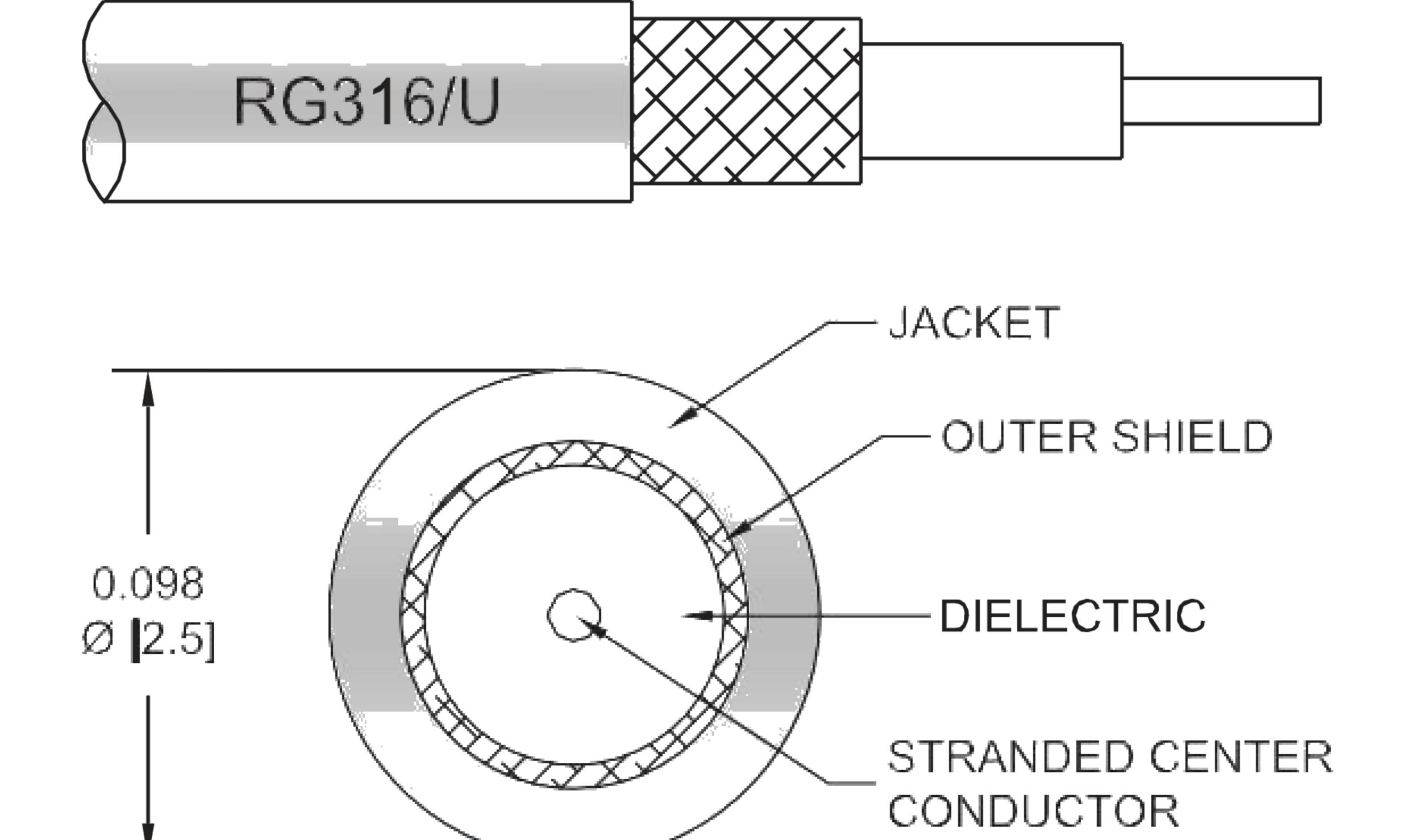
ET22315

Configuration

Connector 1: FAKRA Jack
Connector 2: MCX Plug
Cable Type: ET-RG316

Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET22315 water blue FAKRA jack to MCX plug 200 cm 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 FAKRA to MCX cable assembly has a jack to plug gender con- figuration with 50 ohm flexible ET-RG316 coax. The ET22315 FAKRA jack to MCX 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

Frequency Range	DC	3	GHz
VSWR		1.4:1	
Velocity of Propagation	6	9	%
Operating Voltage (AC)		250	Vrms
Jacket Spark		2,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Water Blue FAKRA Jack to MCX Plug Cable 200 cm Length Using ET-RG316 Coax with Heat- Shrink ET22315

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.)	1.25	1.77	2.7	3.68	4.01	dB

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Length* 78.74 in [200 cm]

Diameter 0.37 in [9.4 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET-RG316
50 Ohms
Stranded

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type
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	FAKRA Jack	MCX Plug
Specification		CECC 22220
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic	Brass, Nickel
Body Plating Specification		100 µin 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

-40 to +85 deg C

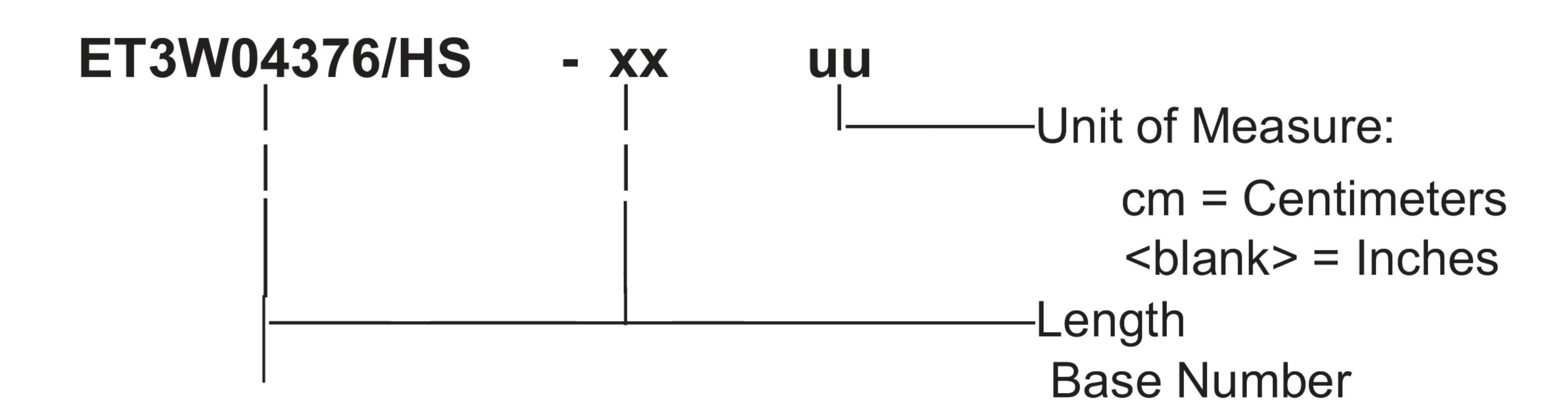
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: ET3W04376/HS-12 = 12 inches long cable

ET3W04376/HS-100cm = 100 cm long cable

Water Blue FAKRA Jack to MCX Plug Cable 200 cm Length Using ET-RG316 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/water-blue-fakra-jack-to-mcx-plug-cable-12-inch-length-using-rg3 16-coax-with-heatshrink-0022307

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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