



RF Cable Assemblies Technical Data Sheet

ET32361

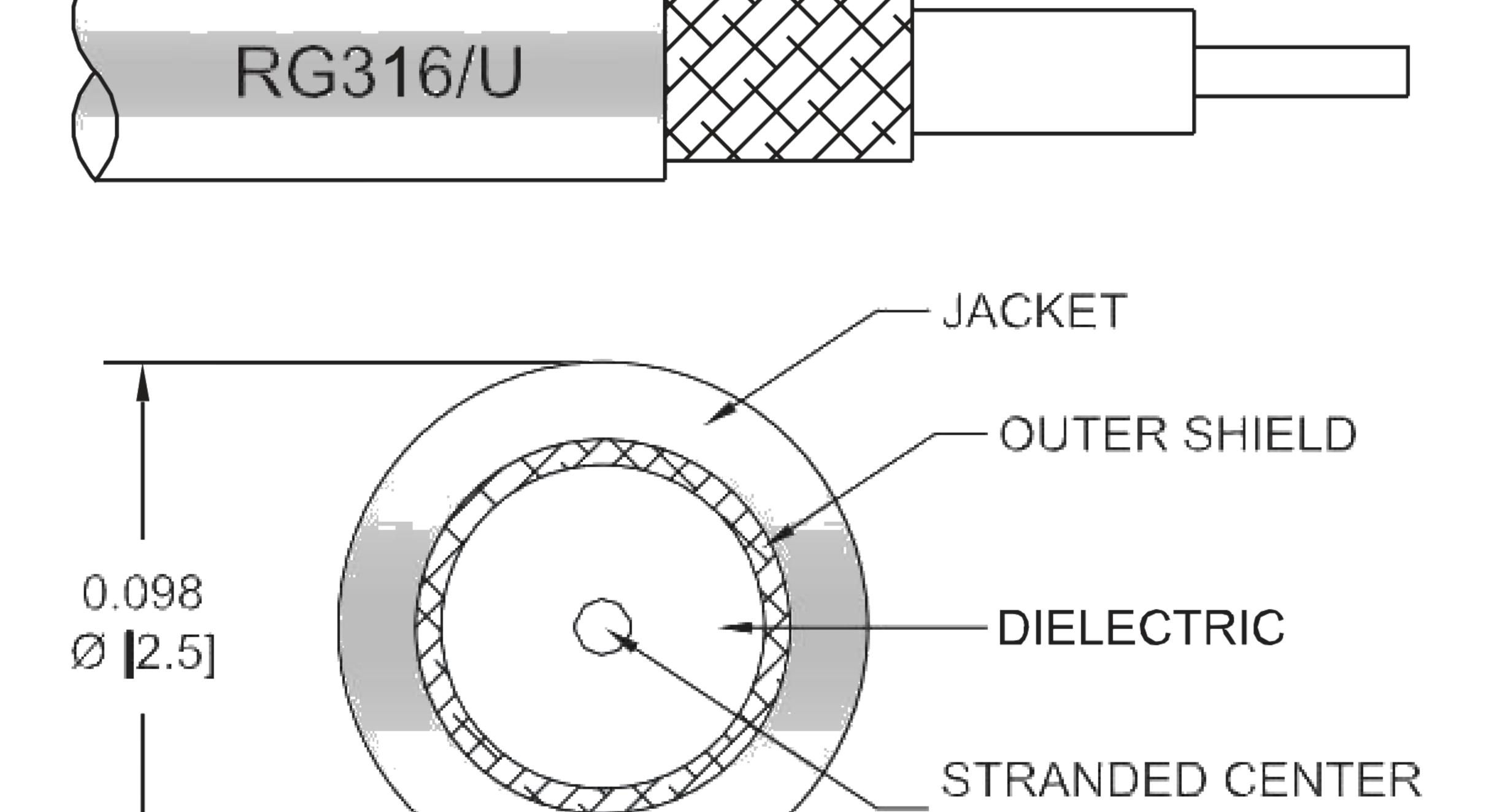
CONDUCTOR

Configuration

- Connector 1: Push-OnSMP Female Right Angle
- Connector 2: SMA Male Right Angle
- Cable Type: ET-RG316

Features

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



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET32361 SMP female push-on right angle to SMA male right angle 60 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 SMP to SMA cable assembly has a female to male gender configuration with 50 ohm flexible ET-RG316 coax. The ET32361 SMP female to SMA male cable assembly operates to 3 GHz. The right angle SMP and right angle SMA interfaces on the ET-RG316 cable allow for easier connections in tight spaces.

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			1.4:1	
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			335	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: Push-On SMP Female Right Angle to SMA Male Right Angle Cable 60 Inch Length Using ET-RG316 Coax ET32361





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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.)	1.2	1.59	2.3	3.05	3.3	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 0.4dB of connector loss.

Mechanical Specifications

Cable Assembly

Jacket Diameter

Length* 60 in [152.4 cm]
Diameter 0.315 in [8 mm]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type

ET-RG316

50 Ohms
Stranded
Copper Clad Steel, Silver
PTFE

Dielectric Type
Number of Shields
Shield Layer 1
Jacket Material

Silver Plated Copper Braid FEP, Tan

0.102 in [2.59 mm]

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Connectors

Connector 1	Connector 2	
SMP Female Right Angle	SMA Male Right Angle	
MIL-STD-348A	MIL-STD-348A	
50 Ohms	50 Ohms	
Push-On		
Beryllium Copper, Gold	Brass, Gold	
30μ in. minimum	50 μin minimum	
Teflon	PTFE	
Beryllium Copper, Gold		
3μ in. minimum		
Brass, Gold	Brass, Nickel	
3μ in. minimum	100 μin minimum	
	Brass, Nickel	
	100 μin minimum	
	5/16 inch	
	3 in-lbs [0.34 Nm]	
	SMP Female Right Angle MIL-STD-348A 50 Ohms Push-On Beryllium Copper, Gold 30µ in. minimum Teflon Beryllium Copper, Gold 3µ in. minimum Brass, Gold	

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range

-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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





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How to Order

Part Number Configuration:

ET3W05056
- xx uu

Unit of Measure:

cm = Centimeters

chlank> = Inches

Base Number

Example: ET3W05056-12 = 12 inches long cable

ET3W05056-100cm = 100 cm long cable

Push-On SMP Female Right Angle to SMA Male Right Angle Cable 60 Inch Length Using ET-RG316 Coax 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/push-on-smp-female-right-angle-to-sma-male-right-angle-cable-12-inch-length-using-rg316-coax-0032357

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