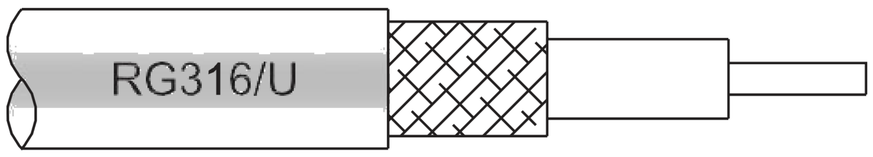
SMA Male to Push-On SMP Female Right Angle Cable 36 Inch Length Using ET-RG316 Coax

# RF Cable Assemblies Technical Data Sheet ET32476

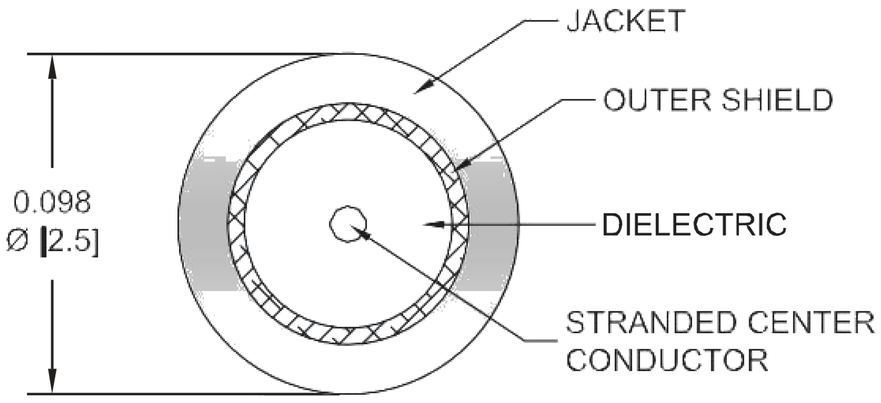
## Configuration

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




## Features

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




## Applications

- General Purpose
- Laboratory Use

### Description

Ebeestock's ET32476 SMA male to SMP female push-on right angle 36 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 applica- tions where tight bends and flexure are required. This Ebeestock SMA to SMP cable assembly has a male to female gender configuration with 50 ohm flexible ET-RG316 coax. The ET32476 SMA male to SMP female cable assembly operates to 3 GHz. The right angle SMP interface on the ET-RG316 cable allows 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 avail- able RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom label- ing. 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 | | | 1.5:1 | |
| Velocity of Propagation | | 69 | | % |
| 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: SMA Male to Push-On SMP Female Right Angle Cable 36 Inch Length Using ET-RG316 Coax ET32476

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.) | 0.78 | 1.02 | 1.44 | 1.89 | 2.04 | dB |

Electrical Specification Notes:
The Insertion Loss data above is base on the performance specifications of the coax use in the assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector loss.

## Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Length* | 36 in [914.4 mm] |

**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] |

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## Connectors

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | SMA Male | SMP Female Right Angle |
| Specification | | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Connection Method | | Push-On |
| Contact Material and Plating | Brass, Gold | Beryllium Copper, Gold |
| Contact Plating Specification | | 30µ in. minimum |
| Dielectric Type | PTFE | Teflon |
| Outer Conductor Material and Plating | | Beryllium Copper, Gold |
| Outer Conductor Plating Specification | | 3µ in. minimum |
| Body Material and Plating | Brass, Gold | Brass, Gold |
| Body Plating Specification | | 3µ in. minimum |
| Coupling Nut Material and Plating | Brass, Gold | |
| Hex Size | 5/16 in | |
| Torque | 5 in-lbs [0.57 Nm] | |

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:

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# RF Cable Assemblies Technical Data Sheet ET32476

## How to Order

Part Number Configuration: **ET3W05274 - xx uu**

- **ET3W05274** — Base Number
- **xx** — Length
- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches

Example: ET3W05274-12 = 12 inches long cable
ET3W05274-100cm = 100 cm long cable

SMA Male to Push-On SMP Female Right Angle Cable 36 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.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: SMA Male to Push-On SMP Female Right Angle Cable 36 Inch Length Using ET-RG316 Coax ET32476

**URL:** https://www.ebeestock.com/sma-male-to-push-on-smp-female-right-angle-cable-12-inch-length-using-rg316-coax-0032474

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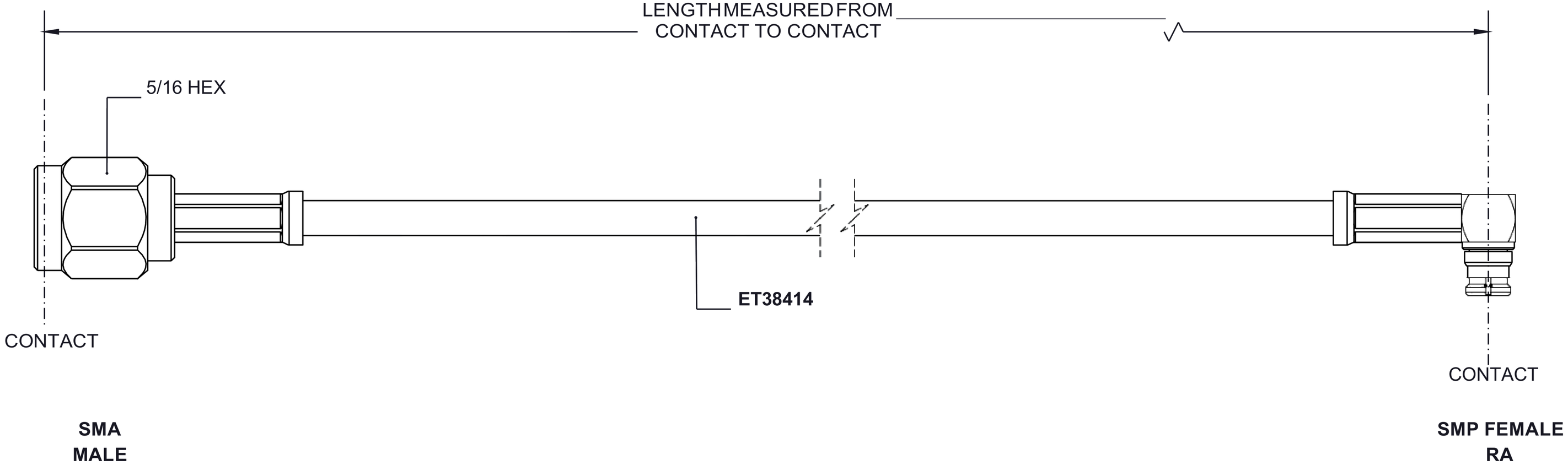
| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 01/29/19 | J.GARCIA |

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TOLERANCES:

| | | |
|---|---|---|
| .X=± .2 | [5.08] | FRACTIONS |
| .XX=± .01 | [ .25 ] | ± 1/32 |
| .XXX=± .005 | [ .13 ] | ANGLES ± 1° |

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

| SIZE | CAGE | DRAWN BY | PART NUMBER | REV |
|---|---|---|---|---|
| A | 53919 | KDANG | ET3W05274 | A |



T-Rev.A