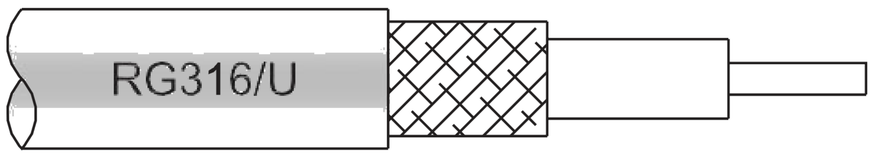
SMA Male to Push-On SMP Female Right Angle Cable 24 Inch Length Using ET-RG316 Coax

# RF Cable Assemblies Technical Data Sheet ET32475

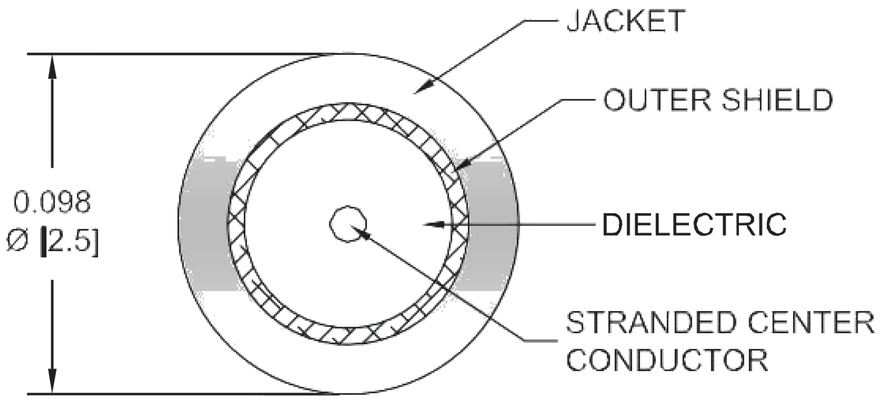
## Configuration

- 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 ET32475 SMA male to SMP female push-on right angle 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 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 ET32475 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 24 Inch Length Using ET-RG316 Coax ET32475

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

SMA Male to Push-On SMP Female Right Angle Cable 24 Inch Length Using ET-RG316 Coax

# RF Cable Assemblies Technical Data Sheet ET32475

## Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 0.25 | 0.5 | 1 | 2.5 | 3 | GHz |
| Insertion Loss (Max.) | 0.62 | 0.78 | 1.06 | 1.36 | 1.46 | 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* | 24 in [609.6 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] |

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 24 Inch Length Using ET-RG316 Coax ET32475

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

SMA Male to Push-On SMP Female Right Angle Cable 24 Inch Length Using ET-RG316 Coax

# RF Cable Assemblies Technical Data Sheet ET32475

## 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:

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 24 Inch Length Using ET-RG316 Coax ET32475

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

SMA Male to Push-On SMP Female Right Angle Cable 24 Inch Len
gth Using ET-RG316 Coax

# RF Cable Assemblies Technical Data Sheet ET32475

## How to Order

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

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

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

SMA Male to Push-On SMP Female Right Angle Cable 24 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 24 Inch Length Using ET-RG316 Coax ET32475

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

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.

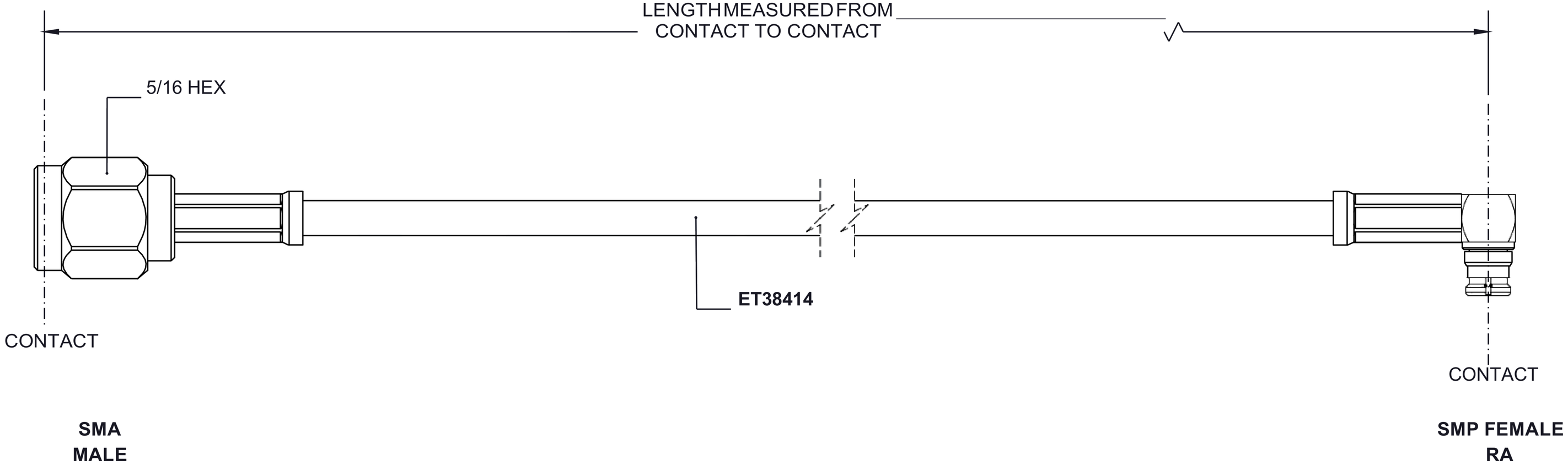
Webstie:www.ebeestock.com Email:sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved

© 2022 Ebeestock Enterprises All Rights Reserved

www.ebeestock.com

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




THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

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

PASTERNACK
an INFINITE brand
8th Floor, Building 1, Yongfu Science and Technology
Center Industrial Park
P.O.Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
e-mail: sales@Ebeestock.com

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF Ebeestock CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

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



T-Rev.A