N Male Right Angle to N Male Right Angle Cable 48 Inch Lengt
h Using ET-RG225 Coax

# RF Cable Assemblies Technical Data Sheet ET27183

## Configuration

- Connector 1: N Male Right Angle
- Connector 2: N Male Right Angle
- Cable Type: ET-RG225

## Features

- Max Frequency 400 MHz
- Double Shielded
- PTFE (FG) Jacket

## Applications

- General Purpose
- Laboratory Use

### Description

Ebeestock's ET27183 type N male right angle to type N male right angle 48 inch cable using ET-RG225 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 type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible ET-RG225 coax. The ET27183 type N male to type N male cable assembly operates to 400 MHz. The right angle type N interfaces on the ET-RG225 cable allow for easier connections in tight spaces. 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 | | 400 | MHz |
| Capacitance | | 32.4 [106.3] | | pF/ft [pF/m] |
| Dielectric Withstanding Voltage (AC) | | | 2,500 | Vrms |

### Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 50 | 100 | 250 | 500 | 1,000 | MHz |
| Insertion Loss (Typ.) | 0.225 | 0.25 | 0.325 | | | dB |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Right Angle to N Male Right Angle Cable 48 Inch Length Using ET-RG225 Coax ET27183

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

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## Mechanical Specifications

### Cable Assembly

| | |
|---|---|
| Length* | 48 in [121.92 cm] |
| Diameter | 0.8 in [20.32 mm] |
| Weight | 1.061 lbs [481.26 g] |

### Cable

| | |
|---|---|
| Cable Type | ET-RG225 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 2 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Shield Layer 2 | Silver Plated Copper Braid |
| Jacket Material | PTFE (FG), Tan |
| Jacket Diameter | 0.43 in [10.92 mm] |

### Connectors

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | N Male Right Angle | N Male Right Angle |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |

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:
- Values at 25°C, sea level.

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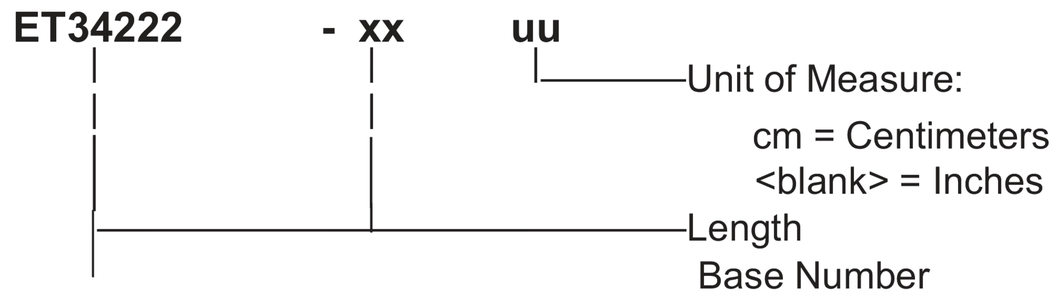
# RF Cable Assemblies Technical Data Sheet ET27183

## How to Order

Part Number Configuration:




Example: ET34222-12 = 12 inches long cable
ET34222-100cm = 100 cm long cable

N Male Right Angle to N Male Right Angle Cable 48 Inch Length Using ET-RG225 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: N Male Right Angle to N Male Right Angle Cable 48 Inch Length Using ET-RG225 Coax ET34222- 48

**URL:** https://www.ebeestock.com/n-male-right-angle-to-n-male-right-angle-cable-12-inch-length-using-rg225-coax-0027180

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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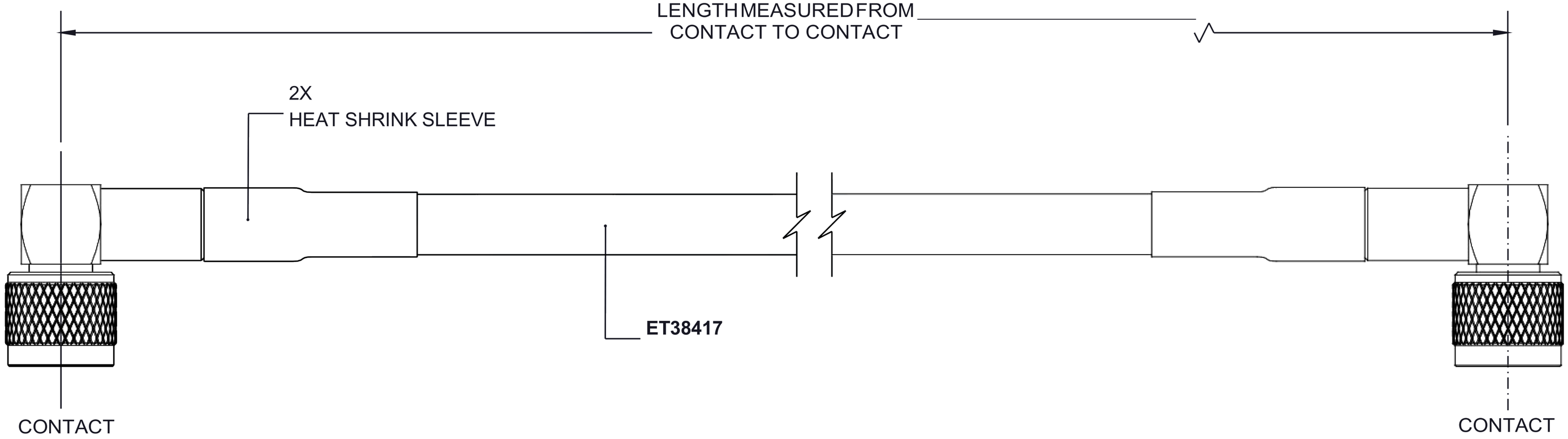
| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 07/23/19 | S.ELLIS |

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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

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| SHEET | OF |
|---|---|
| 1 | 1 |

SCALE: N/A

| SIZE | CAGE | DRAWN BY | PART NUMBER | REV |
|---|---|---|---|---|
| A | 53919 | K.DANG | ET34222 | A |

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