



N Male Right Angle to N Male Using Flexible RG400 Coax Cable

RF Cable Assemblies Technical Data Sheet

MTCA00066

Configuration

- Connector 1: N Male
- Connector 2: N Male Right Angle
- Cable Type: RG400

Features

- Max Frequency 11 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

MilesTek's MTCA00066 coaxial cable assembly is a N male right angle to N male using flexible RG400 coax cable. MilesTek cables are built using high quality materials and are tested to insure these assemblies meet all performance specifications. Coaxial cable assemblies are stocked in standard lengths and will ship same day. Custom lengths of this cable assembly are also available upon request. These assemblies are part of MilesTek's extensive portfolio of products that are in stock and ship same day.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 11 | GHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | | 69.5 | | % |
| Capacitance | | 32 [104.99] | | pF/ft [pF/m] |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|------|-------|----|-------|
| Frequency | 0.1 | 1 | 5 | 11 | | GHz |
| Insertion Loss (Typ.) | 0.044 | 0.147 | 0.36 | 0.579 | | dB/ft |
| | 0.14 | 0.48 | 1.18 | 1.9 | | dB/m |

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

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 Using Flexible RG400 Coax Cable MTCA00066](#)



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Mechanical Specifications

Cable Assembly

| | |
|----------|----------------------|
| Diameter | 1.29 in [32.77 mm] |
| Weight | 0.253 lbs [114.76 g] |

Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG400 |
| 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 | FEP, Tan |
| Jacket Diameter | 0.195 in [4.95 mm] |
| One Time Minimum Bend Radius | 1 in [25.4 mm] |

Connectors

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

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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MTCA00066

How to Order

Part Number Configuration:

MTCA00066

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: MTCA00066-12 = 12 inches long cable
MTCA00066-100cm = 100 cm long cable

Our offering, used primarily in military, R&D and production applications, consists of a comprehensive line of MIL-STD-1553B data bus couplers, harnesses and cable assemblies, connectors and connector termination systems. MilesTek also offers expertise in manufacturing custom cable assemblies and harnesses.

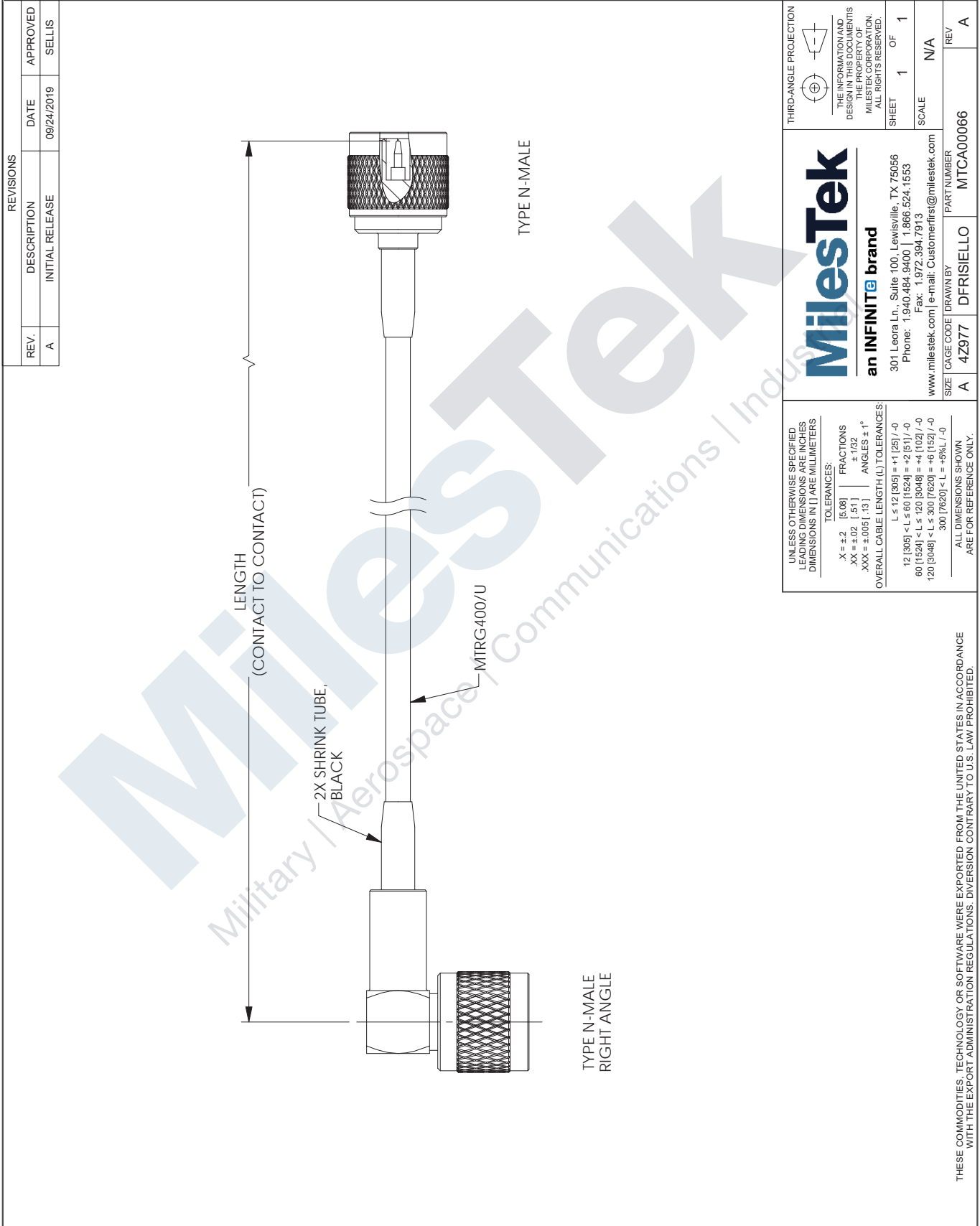
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URL: <https://www.milestek.com/N-Male-N-Male-MTRG400U-MTCA00066-p.aspx>

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. MilesTek reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. MilesTek does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and MilesTek does not assume any liability arising out of the use of any part or documentation.

MTCA00066 CAD Drawing

N Male Right Angle to N Male Using Flexible RG400 Coax Cable



| REVISIONS | | | |
|-----------|-----------------|------------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 09/24/2019 | SELLIS |

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|--|---|--|
| <p>MilestTek an INFINITE brand</p> <p>301 Leora Ln., Suite 100, Lewisville, TX 75056 Phone: 1.940.484.9400 1.866.524.1553 Fax: 1.972.394.7913 www.milesttek.com e-mail: Customerfirst@milesttek.com</p> | | <p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF MILESTTEK CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> |
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