



## BNC Male to BNC Female Using Flexible RG400 Coax Cable

### RF Cable Assemblies Technical Data Sheet

MTCA00053

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Female
- Cable Type: RG400

#### Features

- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

MilesTek's MTCA00053 coaxial cable assembly is a BNC male to BNC female 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
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.088 lbs [39.92 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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Female Using Flexible RG400 Coax Cable MTCA00053](#)



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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	BNC Male	BNC Female
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	30μ in. minimum	
Dielectric Type	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	

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

#### Plotted and Other Data

Notes:

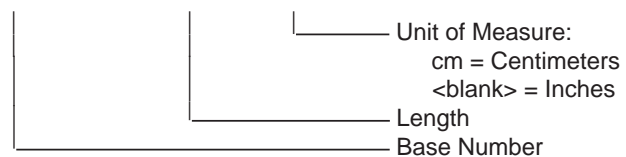
- Values at 25°C, sea level.

#### How to Order

Part Number Configuration:

**MTCA00053**

- **xx** **uu**



Example: MTCA00053-12 = 12 inches long cable  
 MTCA00053-100cm = 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Female Using Flexible RG400 Coax Cable MTCA00053](#)

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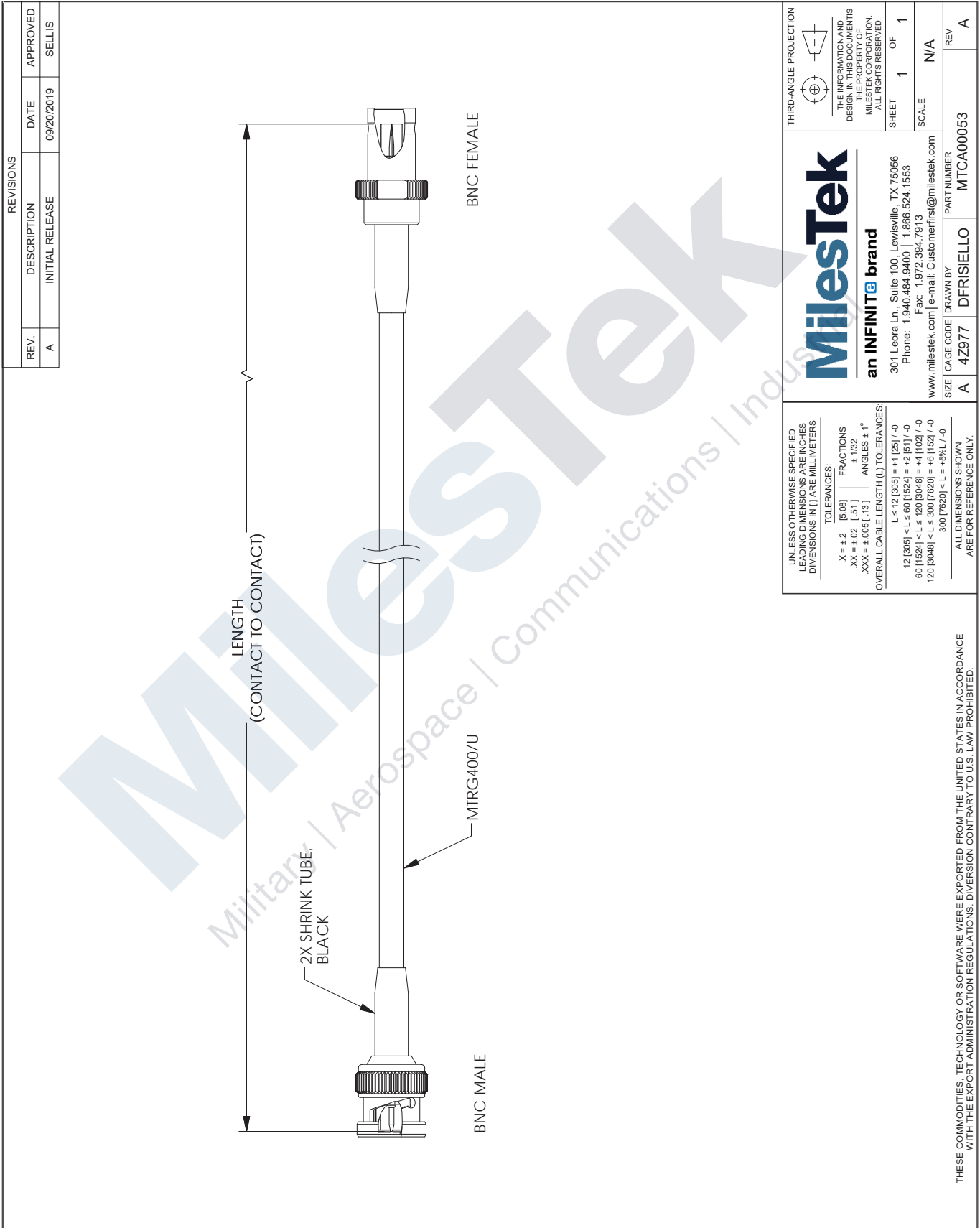
URL: <https://www.milestek.com/BNC-Male-BNC-Female-MTRG400U-MTCA00053-p.aspx>

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.

MilesTek  
an INFINITE® brand

# MTCA00053 CAD Drawing

## BNC Male to BNC Female Using Flexible RG400 Coax Cable



REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	09/20/2019
		APPROVED
		SELL/S

<p><b>Milestek</b> an <b>INFINITE</b> 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.milestek.com   e-mail: Customerfirst@milestek.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF MILESTEK CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p>
	<p>SCALE N/A</p>
<p>SIZE A</p>	<p>REV A</p>
<p>CAGE CODE 4Z977</p>	<p>DRAWN BY DFRISIELLO</p>
<p>PART NUMBER MTC00053</p>	<p>REV A</p>

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

TOLERANCES:

X = ±.2 [5.08] FRACTIONS ± 1/32  
 XX = ±.02 [51] ANGLES ± 1°  
 XXX = ±.005 [13]

OVERALL CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0  
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
 300 [7620] < L = +9% L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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