MilesTek
an INFINITE brand

BNC Male to BNC Female Bulkhead Mount Using Flexible RG58 Coax Cable

RF Cable Assemblies Technical Data Sheet MTCA00005

Configuration

- Connector 1: BNC Male
- Connector 2: BNC Female Bulkhead
- Cable Type: RG58

Features

- Shielding Effectivity > 45 dB
- 65.9% Phase Velocity
- PVC (NC) Jacket

Applications

- General Purpose
- Laboratory Use

Description

MilesTek's MTCA00005 coaxial cable assembly is a BNC male to BNC female bulkhead mount using flexible RG58 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		65.9		%
RF Shielding	45			dB
Capacitance		30.8 [101.05]		pF/ft [pF/m]
				dB/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	0.096 lbs [43.54 g]

Cable

Cable Type	RG58
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1

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 Bulkhead Mount Using Flexible RG58 Coax Cable MTCA00005

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Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	2 in [50.8 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Female Bulkhead
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: **MTCA00005 - xx uu**

- uu: Unit of Measure: cm = Centimeters, <blank> = Inches
- xx: Length
- MTCA00005: Base Number

Example: MTCA00005-12 = 12 inches long cable
MTCA00005-100cm = 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/BNC-Male-BNC-Female-MTRG58CU-MTCA00005-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.

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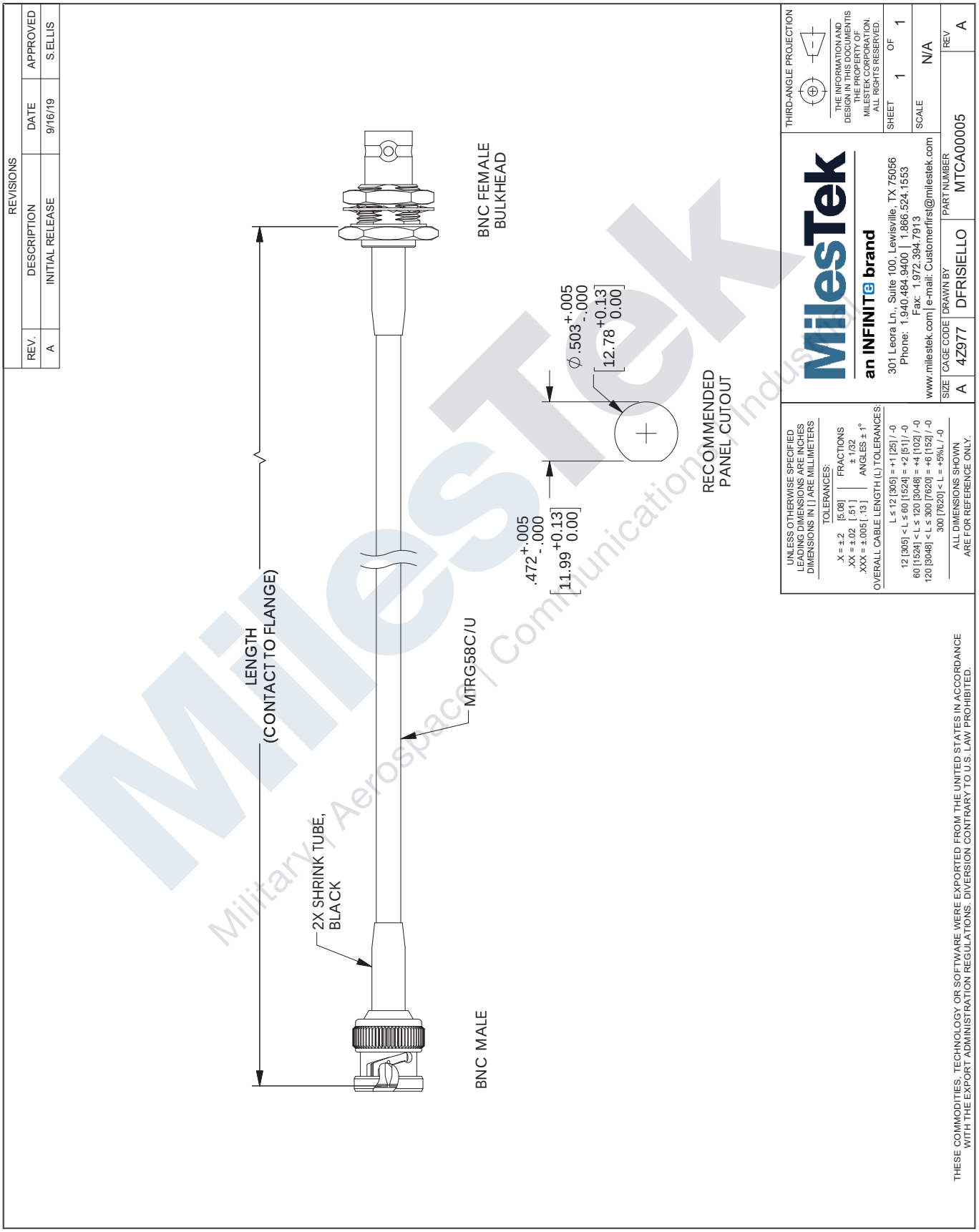
MTCA00005 CAD Drawing

BNC Male to BNC Female Bulkhead Mount Using Flexible RG58 Coax Cable



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