

BNC Male to BNC Female Bulkhead Mount Using Flexible RG400 Coax Cable



RF Cable Assemblies Technical Data Sheet

MTCA00055

Configuration

• Connector 1: BNC Male

Connector 2: BNC Female Bulkhead

• Cable Type: RG400

Features

• Max Frequency 4 GHz

- 69.5% Phase Velocity
- · Double Shielded
- FEP Jacket

Applications

General Purpose

· Laboratory Use

Description

MilesTek's MTCA00055 coaxial cable assembly is a BNC male to BNC female bulkhead mount 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	X	4	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	4			GHz
Insertion Loss (Typ.)	0.044	0.147	0.307			dB/ft
	0.14	0.48	1.01			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.

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 RG400 Coax Cable MTCA00055



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Mechanical Specifications

Cable Assembly

Diameter 0.689 in [17.5 mm]
Weight 0.101 lbs [45.81 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

Shield Layer 1

Silver Plated Copper Braid
Shield Layer 2

Jacket Material

Silver Plated Copper Braid
FEP, Tan

One Time Minimum Bend Radius 1 in [25.4 mm]

Connectors

Jacket Diameter

Description	Connector 1	Connector 2	
Туре	BNC Male	BNC Female Bulkhead	
Specification	MIL-STD-348A	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification	30μ in. minimum	30μ in. minimum	
Dielectric Type	Teflon	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100µ in. minimum	100μ in. minimum	

0.195 in [4.95 mm]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

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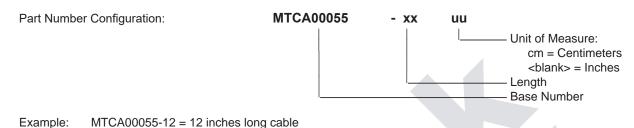
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How to Order



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 Bulkhead Mount Using Flexible RG400 Coax Cable MTCA00055

URL: https://www.milestek.com/BNC-Male-BNC-Female-MTRG400U-MTCA00055-p.aspx

MTCA00055-100cm = 100 cm long cable

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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Phone: 866-524-1553 • salesinfo@MilesTek.com MTCA00055 REV 1.0

