



BNC Female to BNC Female Using Flexible RG174 Coax Cable

RF Cable Assemblies Technical Data Sheet

MTCA00112

Configuration

Connector 1: BNC FemaleConnector 2: BNC FemaleCable Type: RG174

Features

Max Frequency 1 GHz

• 66% Phase Velocity

PVC Jacket

Applications

General Purpose

Laboratory Use

Description

MilesTek's MTCA00112 coaxial cable assembly is a BNC female to BNC female using flexible RG174 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

Minimum	Typical	Maximum	Units
DC	O	1,000	MHz
		1.4:1	
	66		%
	30.8 [101.05]		pF/ft [pF/m]
	DC	66	1.4:1

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Insertion Loss (Typ.)	0.084	0.19	0.32			dB/ft
	0.28	0.62	1.05			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 Female to BNC Female Using Flexible RG174 Coax Cable MTCA00112





BNC Female to BNC Female Using Flexible RG174 Coax Cable

RF Cable Assemblies Technical Data Sheet

MTCA00112

Mechanical Specifications

Cable Assembly

Diameter 0.453 in [11.51 mm] Weight 0.035 lbs [15.88 g]

Cable

Cable Type RG174 50 Ohms Impedance Inner Conductor Type Stranded Inner Conductor Material and Plating Copper Clad Steel

Dielectric Type PE (LD)

Number of Shields Shield Layer 1

Tinned Copper Braid PVC, Black **Jacket Material** Jacket Diameter 0.1 in [2.54 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	BNC Female	BNC Female	
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	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100µ in. minimum	100µ in. minimum	

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

· Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Female to BNC Female Using Flexible RG174 Coax Cable MTCA00112





BNC Female to BNC Female Using Flexible RG174 Coax Cable

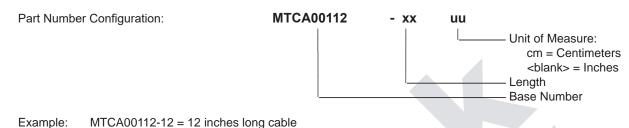
MTCA00112-100cm = 100 cm long cable

offers expertise in manufacturing custom cable assemblies and harnesses.

RF Cable Assemblies Technical Data Sheet

MTCA00112

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Female to BNC Female Using Flexible RG174 Coax Cable MTCA00112

URL: https://www.milestek.com/BNC-Female-BNC-Female-MTRG174AU-MTCA00112-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 Corporation • 1506 Interstate 35W. Denton, Texas 76207-2402 © 2019 MilesTek Corporation. All Right Reserved

