

MHV Male to MHV Male Right Angle Cable Using ET-ET-RG174 Coa x , LF Solder In 12 Inch Length



RF Cable Assemblies Technical Data Sheet

ET25244

Configuration

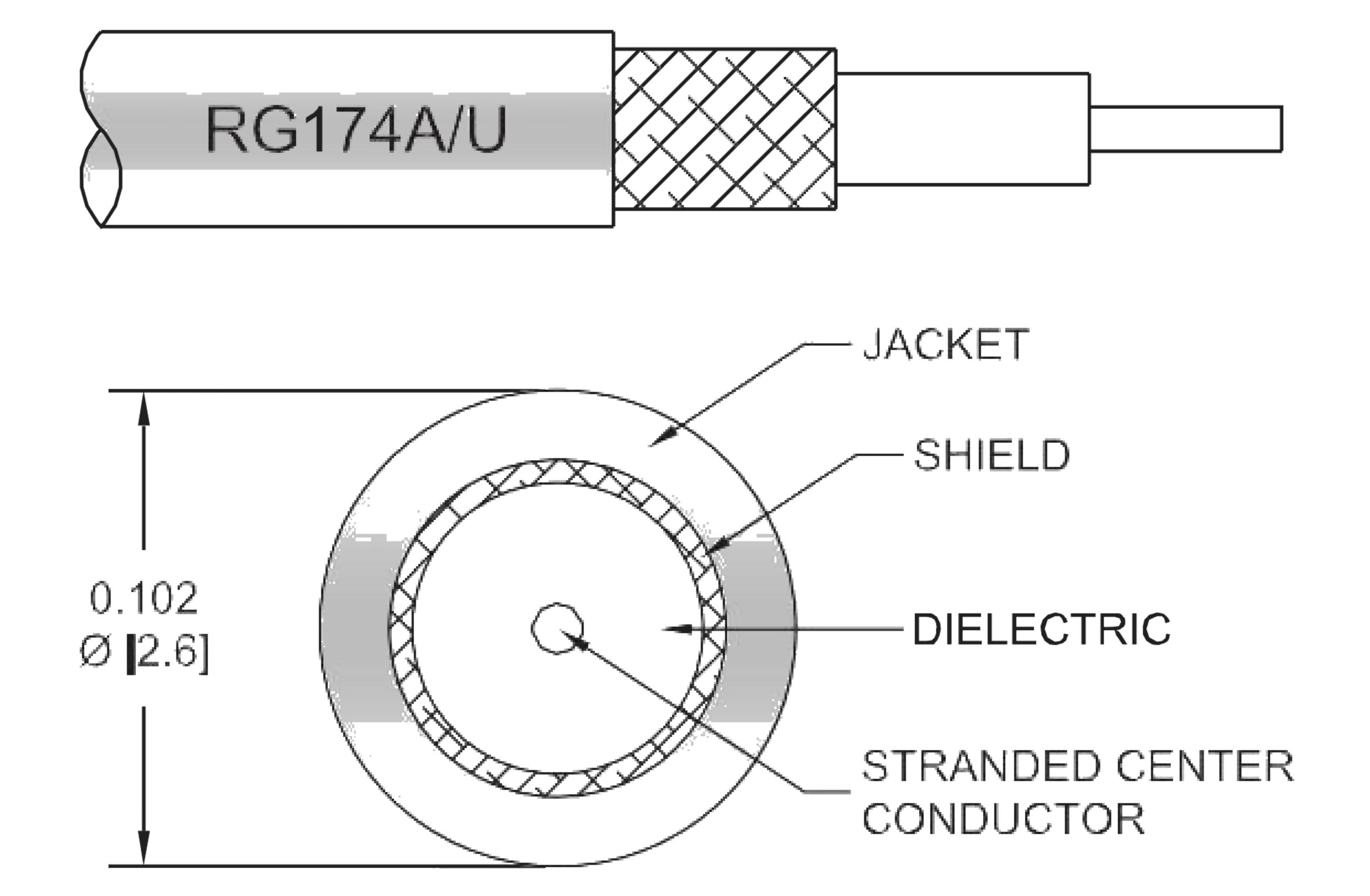
Connector 1: MHV Male

• Connector 2: MHV Male Right Angle

Cable Type: ET-RG174

Features

- Max Frequency 500 MHz
- 66% Phase Velocity
- PVC Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET25244 MHV male to MHV male right angle 12 inch cable using ET-RG174 coax is part of our full line of RF components available for same-day shipping. Ebeestock's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Ebeestock MHV to MHV cable assembly has a male to male gender configuration with 50 ohm flexible ET-RG174 coax. The ET25244 MHV male to MHV male cable assembly operates to 500 MHz. The right angle MHV interface on the ET-RG174 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MHV Male to MHV Male Right Angle Cable Using ET-RG174 Coax, LF Solder In 12 Inch Length ET25244



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		500	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500			MHz
Insertion Loss (Typ.)	0.15	0.24	0.36			dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Jacket Diameter

Length* 12 in [304.8 mm]
Weight 0.118 lbs [53.52 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type

ET-RG174
50 Ohms
Stranded
Copper Clad Steel
PE

Dielectric Type Number of Shields

Shield Layer 1

Jacket Material

Tinned Copper Braid

PVC, Black

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0.11 in [2.79 mm]



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Connectors

Description	Connector 1	Connector 2		
Туре	MHV Male	MHV Male Right Ang		
Specification	MIL-STD-348A			
Impedance	50 Ohms	50 Ohms		
Contact Material and Plating	Brass, Gold			
Contact Plating Specification	30 µin minimum			
Dielectric Type	PTFE			
Body Material and Plating	Brass, Nickel Brass, N			
Body Plating Specification	100 μin minimum			
Coupling Nut Material and Plating	Brass, Nickel			
Coupling Nut Plating Specification	100 μin minimum			

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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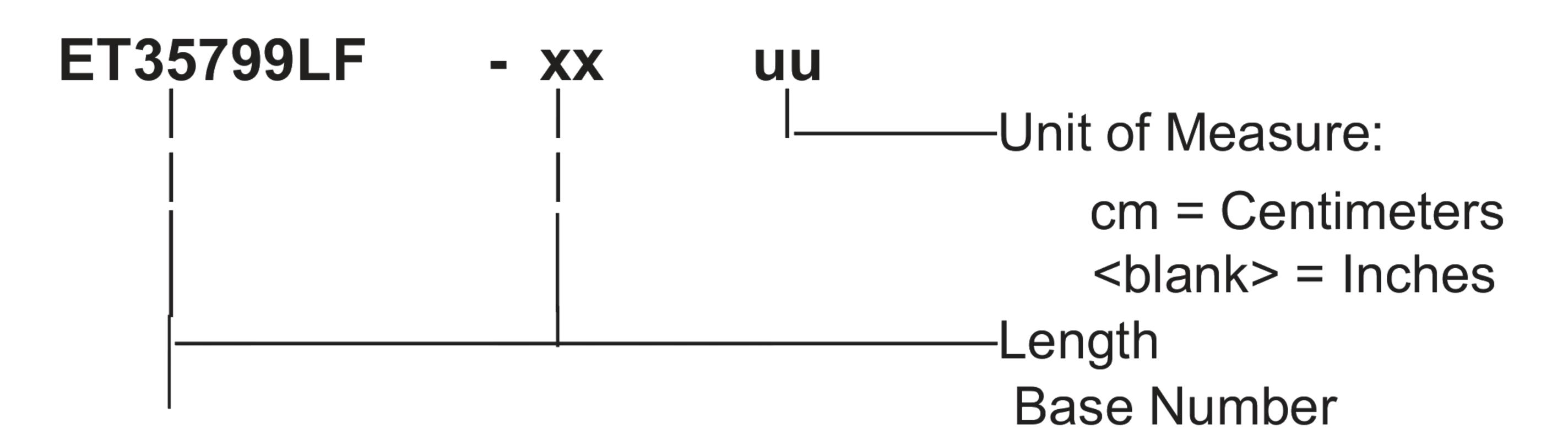


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How to Order

Part Number Configuration:



Example: ET25244 = 12 inches long cable

ET35799LF-100cm = 100 cm long cable

MHV Male to MHV Male Right Angle Cable Using ET-RG174 Coax, LF Solder In 12 Inch Length from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/mhv-male-to-mhv-male-right-angle-cable-using-rg174-coax-lf-solde r-in-12-inch-length-0025244

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

