



RF Cable Assemblies Technical Data Sheet

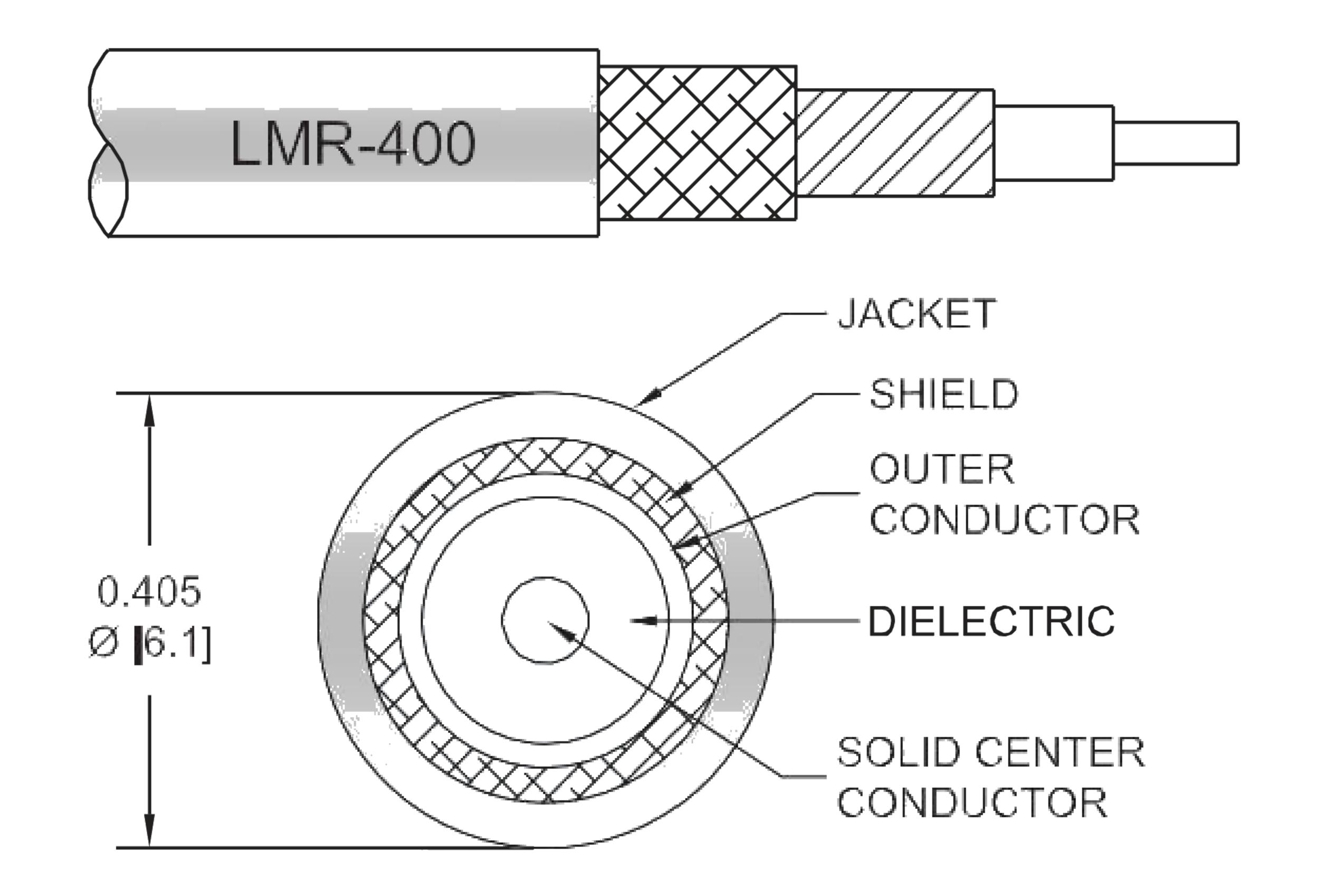
ET29802

Configuration

- Connector 1: Snap-OnQN Male Right Angle
- Connector 2: N FemaleCable Type: ET38378

Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET29802 QN male snap-on right angle to type N female 48 inch cable using ET38378 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 QN to type N cable assembly has a male to female gender configuration with 50 ohm flexible ET38378 coax. The ET29802 QN male to type N female cable assembly operates to 5.8 GHz. The right angle QN interface on the ET38378 cable allows for easier connections in tight spaces. The double shielding of this Ebeestock cable assembly provides excellent shielding effectiveness of better than 90 dB.

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: Snap-On QN Male Right Angle to N Female Cable 48 Inch Length Using ET38378 Coax ET29802





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.5:1	
Velocity of Propagation		85		%
RF Shielding	90			dB
Group Delay		1.2 [3.94]		ns/ft [ns/m]
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ohms/1000ft [Ohms/
Km]				
DC Resistance Outer Conductor		1.65 [5.41]		Ohms/1000ft [Ohms/
Km]				
Jacket Spark			8,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	5.8	GHz
Insertion Loss (Max.)	0.41	0.44	0.54	0.62	0.74	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]
Diameter 0.75 in [19.05 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38378

50 Ohms
Solid

Inner Conductor Material and Plating Copper Clad Aluminum

Dielectric Type
PE (F)
Number of Shields

Shield Layer 1
Shield Layer 2
Aluminum Tape
Tinned Copper Braid

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Jacket Material PE, Black

Jacket Diameter 0.405 in [10.29 mm]

One Time Minimum Bend Radius

Repeated Minimum Bend Radius

4 in [101.6 mm]

Bending Moment

7 lat Plate Crush

Tensile Strength

1 in [25.4 mm]

4 in [101.6 mm]

0.5 lbs-ft [0.68 N-m]

40 lbs/in [0.71 Kg/mm]

160 lbs [72.57 Kg]

Connectors

Connector 1	Connector 2		
QN Male Right Angle	N Female		
50 Ohms	50 Ohms		
Snap-On			
100			
Brass, Silver	Phosphor Bronze, Gold		
PTFE	PTFE		
Brass, Silver	Brass, Tri-Metal		
Brass, Tri-Metal			
	QN Male Right Angle 50 Ohms Snap-On 100 Brass, Silver PTFE Brass, Silver		

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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www.ebeestock.com

^{*}All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.





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How to Order

Part Number Configuration:

ET3W04619
- xx uu

Unit of Measure:

cm = Centimeters

chlank> = Inches

Base Number

Example: ET3W04619-12 = 12 inches long cable

ET3W04619-100cm = 100 cm long cable

Snap-On QN Male Right Angle to N Female Cable 48 Inch Length Using ET38378 Coax 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/snap-on-qn-male-right-angle-to-n-female-cable-12-inch-length-using-lmr-400-coax-0029799

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.

