

Data for FN61 cable

Electrical:

Frequency Range:	DC to 8 GHz theoretical Assemblies are offered to 8 GHz*
Insertion Loss:	See sheet 3 (IL @ 1 GHz is 3.134 dB/100 ft)
Power Handling:	See sheet 3
Impedance:	50 Ohms Nominal
Velocity of Propagation:	76 percent nominal
Time delay:	1.337 nanoseconds/foot nominal (4.386 nanoseconds/meter nominal)
Capacitance:	26.8 picoFarads/foot nominal (87.9 picoFarads/meter nominal)

Mechanical:

Construction Details:	See sheet 2
Dimensions:	See sheet 2
Minimum Bend Radius:	1.83 inches (46.48mm) Static 3.05 inches (77.47mm) Dynamic
Flexure:	>100,000 cycles per MIL-C-87104
Weight:	0.3100 lb/ft (461.74 g/m) nominal
Maximum Assembly Length:	Approximately 1000 feet (304.8 m)
Available in Bulk:	No

Environmental:

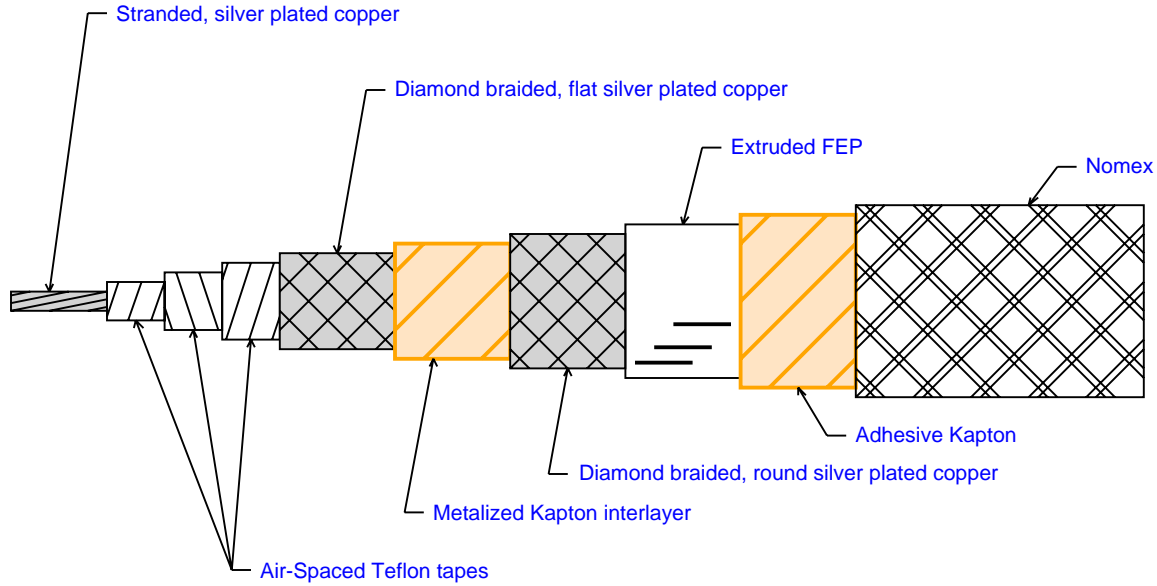
Temperature:	-55°C to 200°C
--------------	----------------

* Upper frequency limit of assemblies may be restricted by the connector types selected

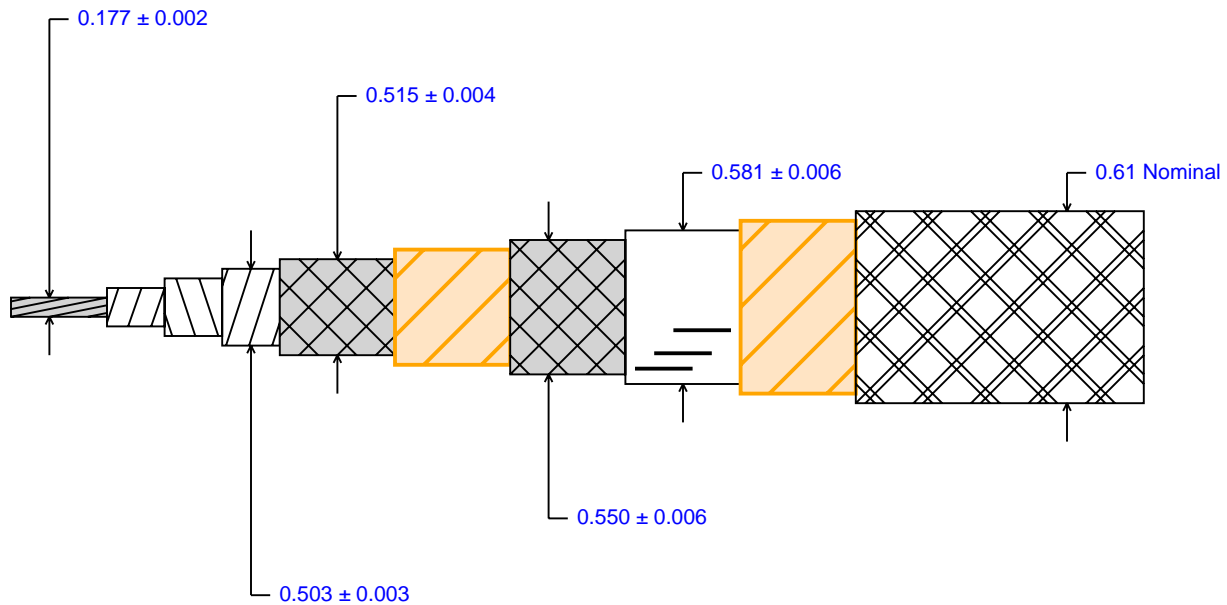
High Performance, Low Loss Coaxial Cable

FN61
V1

Construction Details for FN-- Cable



Dimensions for FN61 Cable



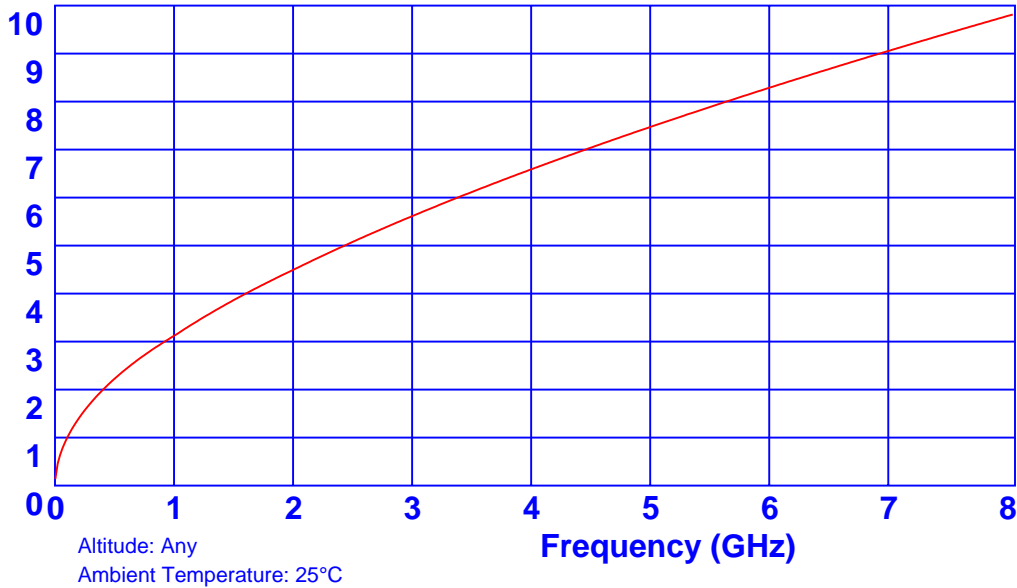
M/A-COM Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. M/A-COM makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does M/A-COM assume any liability whatsoever arising out of the use or application of any product(s) or information.

- **North America** Tel: 800.366.2266 / Fax: 978.366.2266
- **Europe** Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- **Asia/Pacific** Tel: 81.44.844.8296 / Fax: 81.44.844.8298

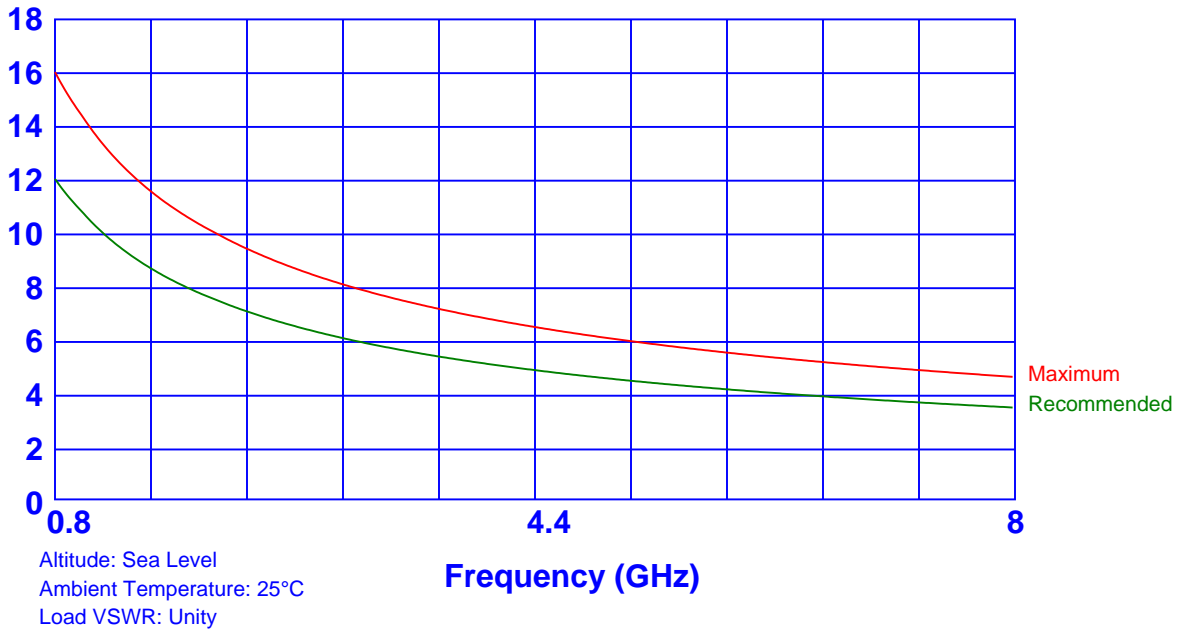
Visit www.macom.com for additional data sheets and product information.

Maximum Insertion Loss for FN61 Cable

dB/100 feet



Maximum Power Handling (KiloWatts CW) for FN61 cable



M/A-COM Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. M/A-COM makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does M/A-COM assume any liability whatsoever arising out of the use or application of any product(s) or information.

- **North America** Tel: 800.366.2266 / Fax: 978.366.2266
- **Europe** Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- **Asia/Pacific** Tel: 81.44.844.8296 / Fax: 81.44.844.8298

Visit www.macom.com for additional data sheets and product information.