



STEADY LINK®

DATA SHEET

SERIES-C

LMR* 400 COAXIAL CABLE ASSEMBLIES

NAI's STEADY LINK® Series-C LMR* Coax Cable Assemblies have been designed to provide durable and reliable short run feeder connections to antennae in WISP, SCADA, GPS, and mobile transmission of communication. These indoor/outdoor assemblies are well suited for connections in high frequency, low loss applications where routing space is minimal and multiple flexing is expected.

Series-C LMR 400 Assemblies are made to order with quick turn programs available.



NAI COAX ASSEMBLY CONFIGURATOR

NAI's easy-to-use online configurator will walk you through a set of decisions to be made in order to provide you a quote or place an order for your coax assemblies.

www.nai-group.com/configcoax

PRODUCT SPECIFICATIONS

GENERAL DESCRIPTION

Impedance:	50 ohm
Lengths Available:	As Specified by Customer
Frequency (at 68°)	50 MHz - 2.96 db/100m

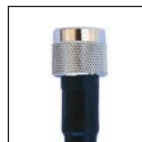
CABLE SPECIFICATIONS

Center Conductor:	Bare Copper Covered/Clad Aluminum (BBCAL)
Dielectric:	Foam PE
Jacket Spark:	4000 Volts RMS
Voltage Withstanding:	3 seconds @ 2500 Volts DC
Insulation Resistance:	>100,000 MΩ-km
Shielding:	Aluminum tape (10/12 μm)
Outer Shield:	TC wire braid
Shielding Effectiveness:	30-2500 MHz >90 dB
Jacket:	PE
O.D.:	0.405"

CONNECTOR SPECIFICATIONS

Connector Types Available:

N Male Plug



Connector Body & Ferrule:

Connector Nut:

Center Contact
Male:

Dielectric:

Sealing Material:

SMA Female Plug



Brass (Nickel Plating)

Brass (Nickel Plating)

Brass (Gold plating)

PTFE

Silicone Rubber



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PRODUCT SPECIFICATIONS (Continued)

ELECTRICAL SPECIFICATIONS

Impedance:	50 Ohms
Inner Dielectric:	Foam PE
Velocity of Propagation:	> 82%
Return Loss (VSWR):	@ 30-2200 MHz = 21 dB
Attenuation ±10%:	5800 MHz - 35.50 dB/100m

MECHANICAL SPECIFICATIONS

Bend Radius (min):	1 Inch
Tensile (max):	355 N
Crush Resistance:	40 lbs.
Sealing:	Available
Operating Temperatures:	-40°C to +85°C

STEADY LINK® ASSEMBLIES AND OPTIONS FROM NAI

NAI Series-C 50-Ohm Coax Cable Assemblies and Series-S GPS & Sync Cable Assemblies offer a variety of standard assembly configurations. Refer to the respective data sheet for each type.

- Series-C Low PIM 50-Ohm Corrugated Coax Assemblies with Straight-to-Straight Connectors
- Series-C Low PIM 50-Ohm Corrugated Flexible Coax Assemblies with Straight-to-Straight Connectors
- Series-C LMR* 400 Coax Assemblies
- Series-C LMR* 240 Coax Assemblies
- Series-S GPS and Sync Cable Assembly
- Series-C Low PIM 50-Ohm Corrugated Flexible Coax Assemblies with Next10** Connectors
- Series-C Low PIM 50-Ohm Corrugated Flexible and Regular Assemblies with Right Angle to Right Angle Connectors

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** Nex10 is a registered trademark of the Huber+Suhner, Radiall and Rosenberger consortium.