



STEADY LINK®

DATA SHEET

SERIES-C

1/4 IN. RF50 CORRUGATED COAXIAL CABLE ASSEMBLIES

FLEXIBLE LOW PIM ASSEMBLIES WITH NEX10* CONNECTORS

These Flexible Series-C Low PIM Coax Cable Assemblies have been designed to provide durable and reliable connections for transmitters, receivers, antennas and other applications in an-tenna feeder systems on cell towers. This assembly with Nex10 connectors is also well suited for small cell, MIMO and in-building DAS applications.

The assembly features low VSWR and strong shielding effectiveness to reduce energy loss and provide protection from outside interference. Part of NAI's STEADY LINK® line, these flexible assemblies with Nex10 connectors are well suited for connections in low loss and VSWR signal trans-mission at high frequency applications.

The lightweight and robust Nex10 connectors provide excellent modulation performance for outdoor telecom applications up to 20 GHz. Its miniature form is 50% smaller as compared to a 4.3-10 connector. This Low PIM connector provides multiple coupling mechanisms.

Flexible Series-C Low PIM Coax Assemblies with Nex10connectors are made to order from inventoried materials 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

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

PRODUCT SPECIFICATIONS

GENERAL DESCRIPTION

Impedance:	50 ohm
Lengths Available:	As Specified by Customer
Frequencies Range:	DC-20 GHz
Peak Power:	6kW

CABLE SPECIFICATIONS

Center Conductor:	Copper-plated Aluminum
Dielectric:	Foam PE
Outer Shield:	Helical Corrugated Copper
Jacket:	Black PE
O.D.	.291"

CONNECTOR SPECIFICATIONS

Nex10 for 1/4" Flexible Coax Cable



Connector Body:	Brass, with BBR plate
Outer Contact:	
Male:	Beryllium Copper, with Silver plate
Center Contact:	
Male:	Brass, with Silver plate
Dielectric:	PTFE
Sealing Material:	Silicone Rubber
Standards:	RoHS Compliant

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PRODUCT SPECIFICATIONS (Continued)

ELECTRICAL SPECIFICATIONS

Impedance:	50 ohm
Frequency:	DC to 6,000 MHz
PIM:	≤ -160 dBc minimum
Standard:	IEC 61196-1
Return Loss (VSWR):	0.01 GHz-6.0 GHz, RL < -36 dB to < -20 dB, [1.03-1.22]

MECHANICAL SPECIFICATIONS

Bend Radius:	25mm Single
Tensile:	200N
Crush Resistance:	2.0 kg/mm
Sealing:	IP 68
Operating Temperatures:	-55°C to ~+80°C
Rel. Humidity:	-40°C +/- 2°C, 90~95% @ 48 hours
Storage Temperature:	-55°C to ~+80°C

OTHER 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 Assemblies
- 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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