STEADY LINK®

DATA SHEET

SERIES-C

1/2 IN. RF50 CORRUGATED COAXIAL CABLE ASSEMBLIES

FLEXIBLE LOW PIM ASSEMBLY WITH RIGHT ANGLE CONNECTORS

These Flexible Series-C Low PIM Coax Cable Assemblies with right angle connectors have been designed to provide durable and reliable connections for transmitters, receivers, antennas and other applications in antenna feeder systems on celltowers. Features include low VSWR and strong shielding effectiveness to reduce energy loss and provide protection from outside interference. Part of NAI's STEADY LINK® line, these assemblies are well suited for connections in low loss and VSWR signal transmission at high frequency applications.

Flexible Series-C Low PIM Coax Assemblies with right angle connectors 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

PRODUCT SPECIFICATIONS

GENERAL DESCRIPTION

Impedance:	50 ohm
Lengths Available:	As Specified by Customer
Frequencies Available:	10 MHz to 3,000+ MHz
Peak Power:	15.5kW

CABLE SPECIFICATIONS

Center Conductor:	Copper-plated Aluminum
Dielectric:	Foam PE
Outer Shield:	Helical Corrugated Copper
Jacket:	PE
O.D.	.527"

CONNECTOR SPECIFICATIONS

Connector Types Available:

7-16 DIN (M)

4.3-10 (M)

Connector Body:	Brass, with Tri-metal plate
Outer Contact:	
Male:	Brass, with Tri-metal plate
Center Contact:	
Male:	Phosphorus Bronze, with Silver plate
Dielectric:	PTFE
Sealing Material:	Silicone Rubber
Exterior Plastics:	Zero Halogen, IEC 60754-1/-2
Standards:	RoHS Compliant

Continued >>>

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DATA SHEET

PRODUCT SPECIFICATIONS (Continued)

ELECTRICAL SPECIFICATIONS

Impedance:	50 ohm
PIM (7-16, 4.3-10):	2x20W, dBc ≤ -155
Standard:	IEC 61196-4, IEC 61196-54
Return Loss (VSWR):	Swept 690MHz - 2700MHz [1.15]

MECHANICAL SPECIFICATIONS

Bend Radius:	25mm Single
Tensile:	760N
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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