

STEADY LINK®

DATA SHEET

SERIES-S GPS & SYNC CABLE ASSEMBLIES With High-Definition Multimedia Interface Connectors

NAI's STEADY LINK[®] Series-S GPS & Sync Cable Assemblies have been designed to provide high precision FTSP performance for use with Nokia AirScale* wireless systems and cellular installations. Series-S GPS & Sync Cable Assemblies are intended for the growing use of 5G to accommodate a variety of applications, from Small Office/Home Office (SOHO) to airports, commercial enterprises and even deep rural villages.

These interconnects support the challenges of the rapidly developing Internet of Things (IoT) for high capacity networks with simultaneously connected devices and low-latency. AirScale and similar technologies increase cell capacity, lower the total cost of ownership (TCO) and brings 5G more quickly to consumers and businesses.

NAI Series-S GPS & Sync Cable Assemblies connect the devices used in these wireless technologies and networks, such as connecting radios in a base station. They are suitable for indoor and outdoor applications that meet the IEEE 802.11ac / Wi-Fi 5 standard for WLANs.

GPS & Sync Cable Assemblies can be made to order from inventoried materials with quick turn programs available.



HOW TO GET A QUOTE FOR GPS & SYNC CABLE ASSEMBLIES

For the standard 5 and 15 meter assemblies, please select the appropriate part number and identify the number of assemblies required at:

www.nai-group.com/sync

If you wish to order custom lengths, select Part # NAI-5251-XXX, and identify the length required for "XXX" (max. length 15 meters) and the number of assemblies you want at: www.nai-group.com/sync

* Trademark of Nokia Solutions

NAI SERIES-S GPS & SYNC CABLE ASSEMBLY PART NUMBERS





STEADY LINK®

DATA SHEFT

PRODUCT SPECIFICATIONS

GPS & SYNC CABLE SPECIFICATIONS

Cable used for the GPS & Sync Assembly is 24 AWG 3 pair, shielded, CMR rated. It is also moisture/water resistant and RoHs compliant.

HIGH-DEFINITION MULTIMEDIA INTERFACE CONNECTOR SPECIFICATIONS



Boot & Strain Relief - Retracted

Connector Style:

PIN Configuration: Wire Termination: Contact Material: Strain Relief: Boot:

Width with Boot:

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance: Operating Voltage (Max.): Insulation Resistance: Hi-Pot:

24ohms/1000 ft. Max. (Cable) 300 RMS 10MΩ Min. (Cable) 200VDC

Boot & Strain Relief

High-Definition Multimedia Interface

Gold plated, with Nickel Copper Shell

Fits Nokia Sync Port (IP67, UV Stable);

Over-molded Flexible PVC, Black

24.36 mm +/-.25, .95" +/-.001

- Final Position

Type A (both ends)

PN# TMC 825640B

19 Pin

Soldered

MECHANICAL SPECIFICATIONS

Bend Radius (min): 2.6" (Cable) Weiaht: .05Lb/Ft (55 Lbs per 1,000 ft of material) Compression: 57 Lbs/In Weatherproof Boot: Pin Termination/Color

Fits Nokia Sync port (IP67,UV Stable); PN# TMC 825640B Available Upon Request

°C)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: Storage Temperature:	- 40°F to +167°F - 40°F to +167°F
Environmental Dretection	ID67 Dated
Environmental Protection:	IP07 Raleu
UV:	IEC 60068-2-5 (C: 56 days 40
Thermal Cycle:	IEC 60068-2-14 or Equivalent
Vibration:	IEC 60068-2-64 or Equivalent
Packaged Drop Shock:	IEC 60068-2-31 or Equivalent
Immersion IP67:	IEC 60529 or Equivalent
Salt Mist Cyclic Corrosion:	IEC 60068-2-11 or Equivalent
Impact:	2.17 Ft/Lb

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 (This Data Sheet)
- 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

*Trademark of Times Microwave Systems, Inc.

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