

# New Product Announcement!



## Coaxial Cable

## 141 SMNB Model Series

50Ω DC to 12.5 GHz

### The Big Deal

- N-Type (F) Bulkhead Connector to SMA (M)
- Hand Formable
- Tight Bend-Radius (8mm min.)



CASE STYLE: KQ1669-XX

XX= cable length in inches

### Product Overview

141-SMNB-series Hand-Flex coaxial cables are ideal for integrating rack-mounted coaxial components and sub-assemblies in tight spaces and dense system configurations. N-Type female bulkhead connector at one end is equipped with a nickel-plated brass flange for secure connections to rack mounted equipment. SMA-connector has a passivated stainless-steel coupling nut over a gold-plated connector body. The outer shield is tin-soaked copper braid, which minimizes signal leakage with high flexibility for easy bending, and dielectric is low loss PTFE. 141-SMNB-series Hand-Flex coaxial cables are available in various lengths for different system requirements.

### Key Features

Feature	Advantages
Single N-Type female bulkhead connector	Eliminates need for a bulkhead adapter and connects directly to the front panel of rack-mounted equipment, improving reliability and reducing system cost.
Hand-formable	141-SMNB-series Hand Flex cables avoid the need for cable-bending tools, alleviating the risk of damage during bending processes typical of semi-rigid cable assemblies.
8mm bend radius	Ideal for making connections in tight spaces and dense system assemblies.
Excellent return loss	Typical return loss of 21 dB to 12.5 GHz or better makes 141-SMNB series cables ideal for connecting a wide variety of RF components while minimizing VSWR ripple contribution due to mating cables & connectors.
Good power handling capability <ul style="list-style-type: none"><li>• 546W at 0.5 GHz</li><li>• 110W at 12.5 GHz</li></ul>	141-SMNB coaxial cables can support medium to high RF power levels and can be used in the transmit path. (Power rating at sea-level).
Built-in anti-torque nut	Anti-torque feature supports the SMA connector body during installation, preventing stress to the connector/cable interface. Connector interface meets MIL-STD-348.

#### Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.  
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