



# Coaxial Cable

## 141 SMRSM Model Series

50Ω DC to 18 GHz



CASE STYLE: KQ1612-XX

XX= cable length in inches

### The Big Deal

- Hand formable with tight bend radius
- 18 GHz Right-Angle connector
- Excellent Return Loss and Insertion Loss

### Product Overview

The 141 Series Hand-Flex Coaxial Cables are ideal for interconnection of coaxial components or sub-systems. The construction includes a silver-plated copper-clad steel center conductor which maintains the shape after bending. The outer shield is copper braid, tin soaked, which minimizes signal leakage and at the same time flexible for easy bend. Dielectric is low loss PTFE. Connectors have passivated stainless-steel coupling nut over a gold plated connector body and Silver Plated Copper Steel center conductor.

### Key Features

Feature	Advantages
Hand-Formable RF Cables	The 141 Series Hand-Flex cables are hand formable making them ideal for use integrating coaxial components and sub-assemblies without the need for special cable-bending tools and alleviating the risk of damage during the bending process typical of semi-rigid coaxial cable assemblies.
Tight Bend Radius	Capable of only 6mm bend radius, the 141 Hand Flex series is able to make connections in tight spaces making these cables ideal for dense system integration.
18 GHz Right-Angle Connector	Using a custom right-angle connector, the 141 SMRSM Series is able to meet system requirements of 90° connections without bending and sacrificing high frequency performance up to 18 GHz.
Excellent Return loss	Supporting typical return loss of 26 dB to 6 GHz and 19 dB to 18 GHz, the 141 Series Hand-Flex Cables are ideally suited for interconnecting a wide variety of RF components while minimizing VSWR ripple contribution due to mating cables & connectors.
Good Power Handling Capability: • 546W at 0.5 GHz • 90W at 18 GHz	Mini-Circuits 141 Cable series can support medium to high RF power levels enabling these cables to be used in the transmit path. (power rating is at sea-level altitudes)
Built in Anti-torque nut	Mini-Circuits 141 Series Hand Flex cables include an anti-torque feature to support the straight SMA connector body during installation alleviating risk of stress to the connector/cable interface.
Jacketed and Unjacketed options	Standard 141 Series cables include a blue FEP insulator jacket reducing the risk of accidental shorting of DC power lines or active pins during installation and operation. Un-jacketed versions are available upon request.

#### 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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