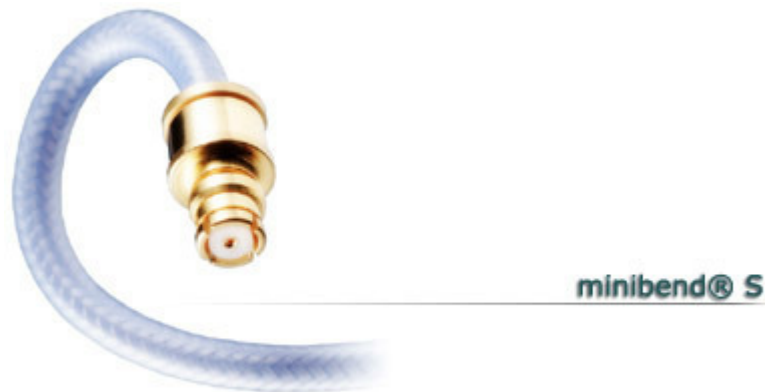


Astrolab minibend S

High performance, low profile



The SMP version of the original minibend®

Product Description

minibend® S is a special version of the original minibend® with an SMA plug connector on one end and an SMP female connector on the other. minibend® S replaces custom length, predefined bend configuration .086 semi-rigid cable for use as internal, point-to-point interconnections between RF modules within communications and switching systems.

Product Features

- Precision stainless steel SMA plug connectors (Patented - US Patent Office)
- Precision SMP female connector mateable with GPO™ from Corning Gilbert
- Stock delivery on standard lengths
- Guaranteed 15 lbs. pull force
- Eliminates need for costly right angle connectors
- Frequency range up to 24 GHz
- 99.9% lead free

Environmental Limits

Temperature Range: -55°C to +125°C

Thermal Shock: per Mil-Std-202, Method 107, Test Condition A

Vibration: per Mil-Std-202, Method 214, Test Condition B

Shock: per Mil-Std-202, Method 213, Test Condition A, 40Gs

Phase Versus Flexure Reference Data

Astrolab performed phase tests on hundreds of minibend cable assemblies. Following are two standard Astrolab tests with the corresponding data. In test one minibend® S-6 assembly's were flexed 90° in a 0.25 inch radius directly behind the connector. In test two, minibend® S-16 assemblies were flexed 180° with a 0.4 inch radius in the middle. Typical data is recorded here:

	TEST ONE	TEST TWO
20 GHz.	1.3°	3.2°
12.4 GHz.	0.9°	1.8°
1 GHz.	0.1°	0.2°

