

Acculine-Slim -- High Precision Phase Stable Test Cable



Typical Applications:

- * VNA Vector Network Analyzer
- * RF Switch Interconnection
- * 5G Research & Development Test
- * Multi-port, modular test instruments
- * Chip R&D and production testing
- * Optical module R&D and production testing

Acculine Slim is the ultra-soft ultra-fine armored test component featuring high-precision with fixed amplitude and stable phase launched by Focusimple for the application in high-density, multi-port RF interconnection, integrated testing environment, microwave instrument modularization, PCB board and other test applications. Its maximum operating frequency can reach up to 67GHz. Acculine Slim's armor is especially designed to provide ideal protection for cables so that the components are resistant to compression, twist and wear and waterproof and have a wider temperature range. The armor is quite soft with a diameter less than or equal to 5mm. The influence of armor on phase and amplification is reduced to the minimum by continuously optimized armor structure and assembly process control.

Acculine Slim is also suitable for type selection verification of high-speed data device, optical module testing, chip R&D and production test, interconnection of RF microwave switches and other application environments requiring narrow space, small bending stress and high stability performance.

Focusimple can provide customized precision components matching with phase or time delay.

Features & Benefits:

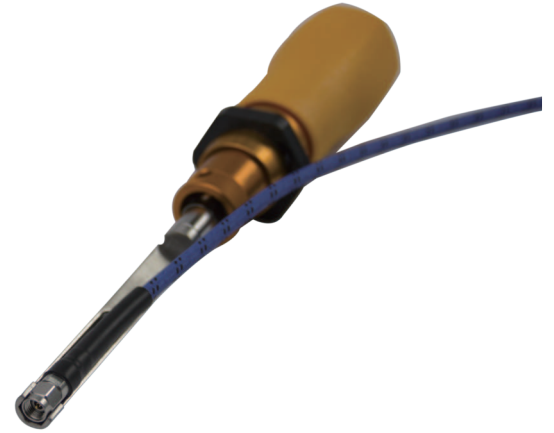
- * Excellent bending phase and amplitude stability;
- * Reliable testing consistency and high repeatability;
- * Outer diameter ≤ 5 mm, ultra-soft and easy to bend;
- * Light weight and small stress;
- * Resistant to compression, twist, water and wear;
- * Suitable for high and low temperature circulation box and harsh environment;
- * High-precision testing grade stainless steel connector;
- * Used with torque tools, convenient for the operation with intensive port;
- * Customized product and fast delivery.

Acculine warranty

Focusimple provides four months of the warranty period for AccuLine from the date of its delivery. If problems occur by normal use during this four months, our company is responsible for the repair or replacement.

AccuLine-Slim *Specification*

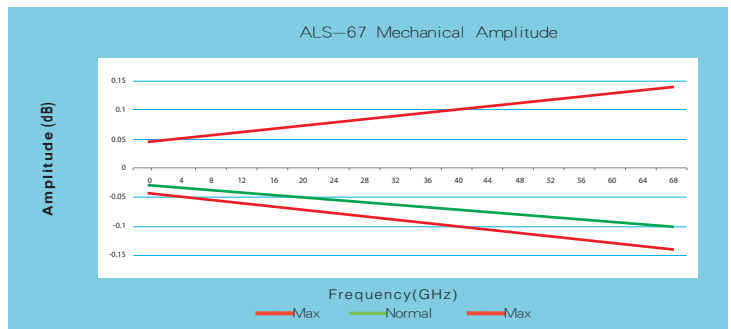
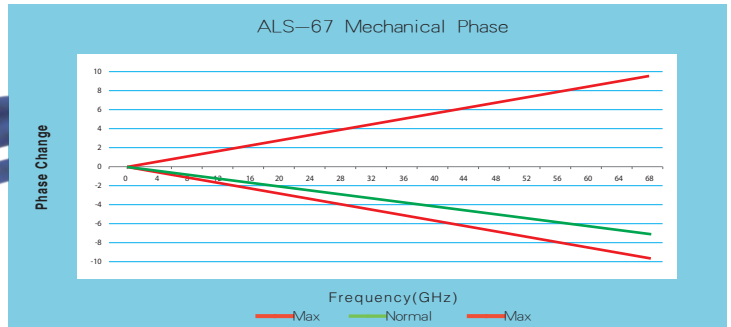
AccuLine-Slim-40/50/67				
Physical & Mechanical Specifications				
Dimensions	mm	Inch		
Armor outer diameter	5.00	0.20		
Armor anti-stress	1000N/25mm			
Bending Radius	25.00	1.00		
Retention Force	>175 lbs			
Mating Times	>5000			
Length tolerance	≤1m, +5mm, -0; >1m, +0.05%,-0			
Temperature range	Common Shrink Boot		105°C	
	High Temperature Shrink Boot 150°C			
Electrical Specifications				
Frequency	26.5GHz	40GHz	50GHz	67GHz
VSWR	1.25:1	1.30:1	1.35:1	1.45:1
Impedance	50 Ohms			
Attenuations Max@25°C				
Frequency (GHz)	dB/100 m		dB/100 Ft	
2	90.1		27.47	
6	159.7		48.69	
10	209.5		63.87	
18	287.7		87.71	
26.5	355.9		108.51	
40	448.0		136.59	
50	508.5		155.03	
67	601.9		183.51	
Average Power (25°C, See Level, cable only)				
Frequency (GHz)	Watts (max.)			
2	190			
6	107			
10	82			
18	59			
26.5	48			
40	38			
50	30			
67	28			



In combination with the torque tools specifically developed, it will be more convenient for the operation in the environment of multi-port, with high-density and in a small space.



AccuLine-Slim *Ordering Information*



AccuLine-Slim Ordering Selection Information

Frequency

40= 40.0GHz

50= 50.0GHz

67= 67.0GHz

ALSXX-XXXXXX-XX.XXX

M: Metric system, meter
E.g.: -01.20M = 1.2meter

F: Imperial Standard, Ft
E.g.: 07.50F = 7.5 Ft

Connector Type, two sides independent

- 18M = 1.85mm Male
- 18F = 1.85mm Female
- 18MW = 1.85mm Male Swept
- 24M = 2.4mm Male
- 24F = 2.4mm Female
- 29M = 2.92mm Male
- 29F = 2.92mm Female