

Acculine-Slim

High Performance Low Loss Flexiable Coax Cable



Feature & Benefits:

- * Excellent bending phase and amplitude stability;
- * Reliable testing consistency and high repeatability;
- * Outer diameter $\leq 5\text{mm}$, 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.

Typical Applications:

- * VNA Vector Network Analyzer
- * RF Switch Interconnection
- * 5G Research & Development Test
- * Multit-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.

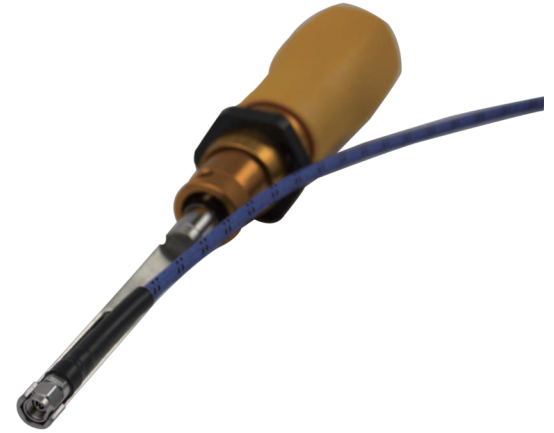
Focusimple can provide customized precision components matching with phase or time delay.

Acculine warranty

Focusimple Shanghai 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*

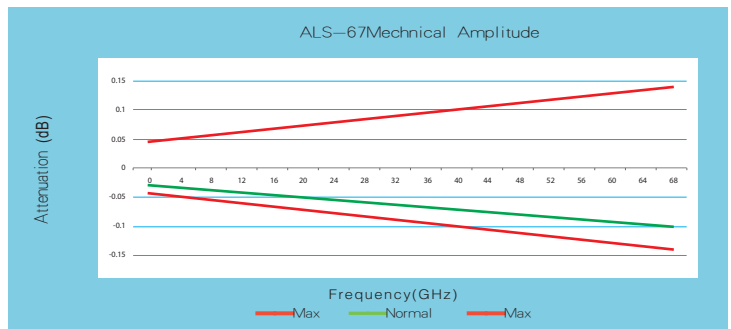
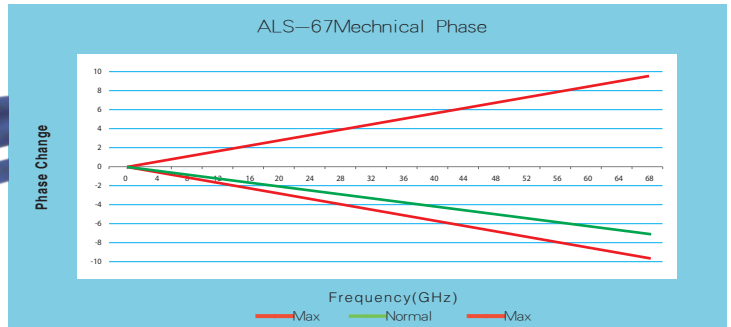
| Mechanical Specifications | | | | |
|---|------------------------------------|--------|-----------|--------|
| | AccuLine-Slim-40/50/67 | | | |
| Dimensions | mm | | Inch | |
| Armor outer diameter | 5.00 | | 0.20 | |
| Armor anti-stress | 1000N/25mm | | | |
| Bending Radius | 25.00 | | 1.00 | |
| 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 | | 29.6 | |
| 6 | 159.7 | | 52.4 | |
| 10 | 209.5 | | 68.7 | |
| 18 | 287.7 | | 94.4 | |
| 26.5 | 355.9 | | 116.8 | |
| 40 | 448.0 | | 147.0 | |
| 50 | 508.5 | | 166.8 | |
| 67 | 601.9 | | 197.5 | |
| 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: British Unit, 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