

Acculine

High Performance Low Loss Flexible Coax Cable

Feature & Benefits:

- * Excellent bending phase and amplitude stability
- * Stable test consistency, repeatability
- * Super flexible and easy to bend
- * Small diameter and light weight
- * Anti-Stress and anti-torsion armor, long using life
- * Maximum temperature +150°C

Typical Applications:

- * VNA Vector Network Analyzer
- * RF and microwave test instruments
- * Production line test
- * Electromagnetic Compatibility Test
- * Automatic Test System
- * Lab measurement
- * Precision differential test
- * Integrated test rack system

Acculine is the millimeter wave testing cable components featuring high-performance, high-precision, fixed amplitude and stable phase which are especially developed by Focusimple for network analyzer and other professional applications. Its maximum operating frequency can reach up to 50GHz. The product adopts the most advanced international cable structure and armor program. The cable is composed of different multi-function layers, conducting special control over the material of each functional layer and process. The composite structural layer design ensures the stability and the mechanical life cycle of the product's electrical performance. The armor is additionally equipped with an original layer for twist resistance. The outer layer is protected by high-strength PTFE weaving, resistant to wear and high temperature, with nice appearance. Acculine testing cable features stable performance and long life cycle, which can significantly improve customers' testing precision and reduce testing cost.

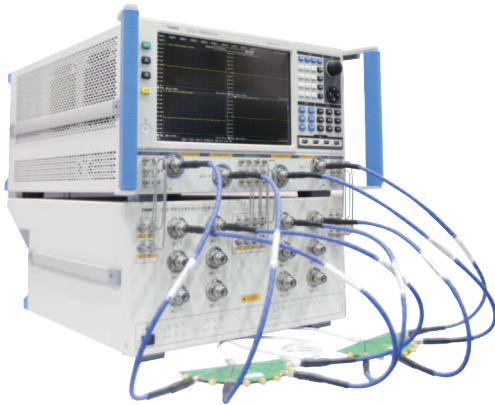
Acculine warranty

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 responsible for the repair or replacement .

AccuLine *Specification*

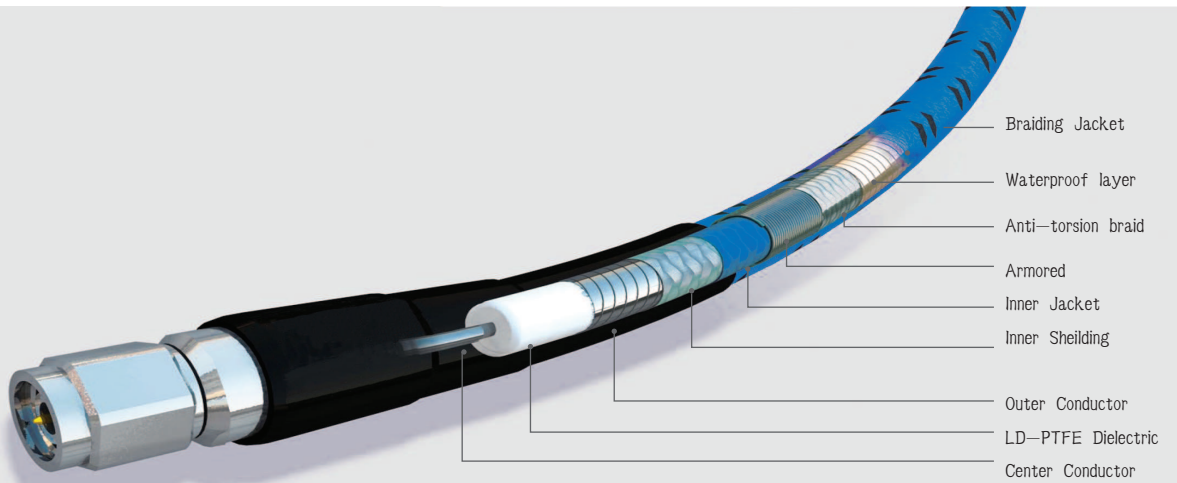
Mechanical Specifications

	AccuLine	
Dimensions	mm	Inch
Armor outer diameter	6.40	0.25
Armor anti-stress	1000N/50mm	
Bending Radius	25.00	1.00
Retention Force	>175 lbs	
Mating Times	>5000	
Typical bending life	20000	
Length tolerance	≤1m, +10mm, -0; >1m, +1%,-0	
Temperature range	Common Shrink Boot	-55°C~+105°C
	High Temperature Shrink Boot	-55°C~+150°C

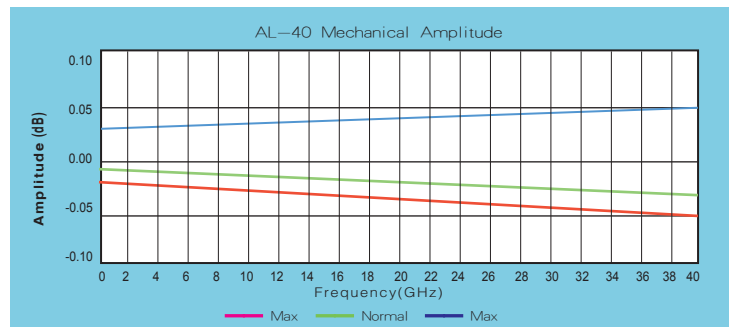
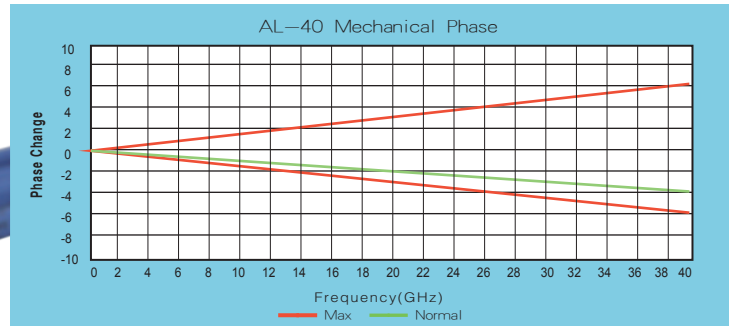


Electrical Specifications

Electrical Specifications			
Frequency	26.5GHz	40GHz	50GHz
VSWR	1.20	1.30	1.35
Phase stability	±3°	±5°	±6°
Amplitude stability	< ±0.05dB		
Impedance	50 Ohms		
Dielectric Constant	1.83		
Velocity of Propagation	74%		
Shielding Effectiveness	>100dB		
Time Delay(ns/cm)	0.045		
Attenuations Max@25°C			
Frequency (GHz)	dB/100 m	dB/100 Ft	
2	62.18	18.96	
6	108.82	33.17	
10	141.47	43.13	
18	191.82	58.48	
26.5	234.80	71.59	
40	291.75	88.95	
50	328.5	100.15	
Average Power (25°C, See Level, cable only)			
Frequency (GHz)	Watts (max.)		
2	287		
6	165		
10	126		
18	93		
26.5	76		
40	61		
50	55		



AccuLine *Ordering Information*



AccuLine Ordering Selection Information

Frequency
26= 26.5GHz
40= 40.0GHz
50= 50.0GHz

ALXX-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

24M = 2.4mm Male
24F = 2.4mm Female
29M = 2.92mm Male
29F = 2.92mm Female
35M = 3.5mm Male
35F = 3.5mm Female