

Acculine High-Precision Low Loss Test Cable Assembly (Phase/Flexure Stability)

Typical Applications:

- * Vector Network Analyzer Measurements
- * RF/Microwave Test Instrumentation
- * Production Test Stations
- * Electromagnetic Compatibility Test
- * ATS (Automatic Test System)
- * Anechoic Chamber
- * Laboratory Use



Acculine is a precision test cable with excellent loss, VSWR and phase/ flexure stability which can be up to 67GHz. With the advantage cable construction and torque and crush resistant armor, Acculine can offer the long work life and stable electrical performance. Acculine cable is combined with 10 layer of composited covering in special process technique. Protected by a torque and crush resistance armor and high-strength braid PTFE outer jacket, Acculine is wear resistance, high-temperature resistance and easy handling.

Feature & Benefits:

- * Phase, Loss & VSWR stable
- * Test of the consistency and repeatability
- * High flex life
- * Small cable OD, light weight
- * Torque and crush resistant armor
- * High-temperature resistance (+150°C)

Acculine Warranty

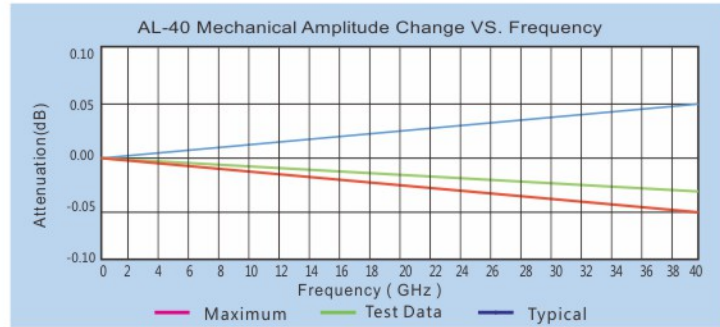
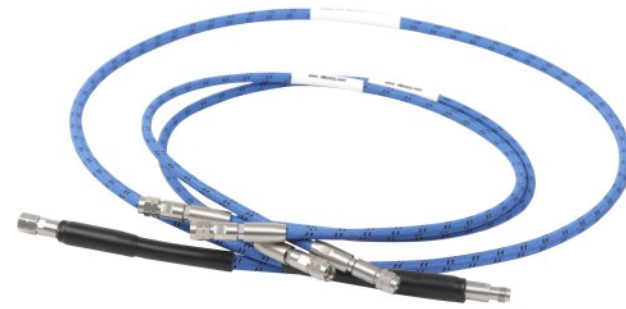
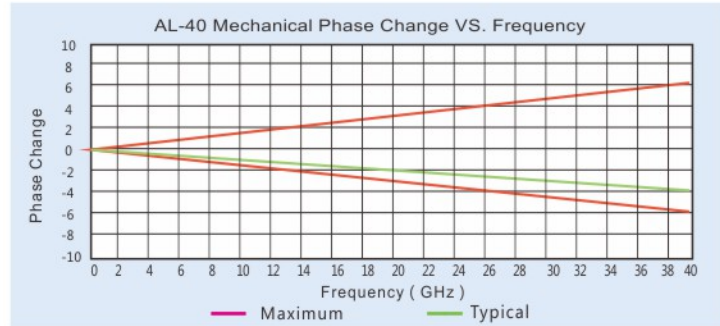
SLK provide 4 months of the warranty period for DuraLine from the date of its delivery. If problems occur by normal use during this 4 months, SLK will be responsible for the repairing and replacement.

Acculine

Physical & Mechanical Specifications								
Dimension	AccuLine-26&40&50				AccuLine-67			
Dcenter Conductor	MM	Inch			MM	Inch		
Dielectric	6.40	0.25			5.00	0.20		
Outer Conductor	1000N/25mm				1000N/25mm			
Inter Layer	25.00	1.00			25.00	1.00		
Shield	> 175 lbs				> 175 lbs			
Jacket	> 5000				> 5000			
Armor	≤1M , +5mm , -0 ;		>1M , +0.05%,-0		≤1M , +5mm , -0 ;		>1M , +0.05%,-0	
Stainless Steel Armor	Common Jacket			85°C	Common Jacket			85°C
Armor Crush Resistance	High Temperature-Resistance Jacket			150°C	High Temperature-Resistance Jacket			150°C
Electrical Specifications								
VSWR	26.5GHz	40GHz	50GHz	67GHz	26.5GHz	40GHz	50GHz	67GHz
	1.25:1	1.3:1	1.35:1	-	1.25:1	1.30:1	1.35:1	1.45:1
Impedance	50 Ohms							
Attenuations Max@25°C(cable only)				Attenuations Max@25°C(cable only)				
Attenuation (GHz)	dB/100 m		dB/100 Ft		dB/100 m		dB/100 Ft	
2	62.18		18.96		90.1		27.47	
6	108.80		26.97		159.7		48.69	
10	141.47		43.13		209.5		63.87	
18	191.82		58.48		287.7		87.71	
26.5	234.80		71.59		355.9		108.51	
40	291.75		88.95		448.0		136.59	
50	328.50		107.78		508.5		155.03	
67					601.9		183.51	
Attenuations Max@25°C(cable only)				Attenuations Max@25°C(cable only)				
Attenuation (GHz)	Watts (max.)				Watts (max.)			
2	287				190			
6	165				107			
10	126				82			
18	93				59			
26.5	76				48			
40	61				38			



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Ordering Information

Maximum Frequency
 26= 26.5GHz
 40= 40.0GHz
 50= 50.0GHz
 67= 67.0GHz

ALXX-XXXXXX-XX.XXX

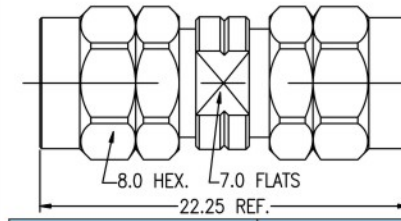
M: Meters
 Example: 01.20M= 1.2Meters
 F: Feet
 Example: 07.50F= 7.5 Ft

Connector Codes (See below table)

Connector		Description	Frequency	AL67	AL50	AL40	AL26
Conn A ↓ Conn B	18M	1.85mm Male	67GHz	*			
	18F	1.85mm Female	67GHz	*			
	24M	2.4mm Male	50GHz		*	*	
	24F	2.4mm Female	50GHz		*	*	
	29M	2.92mm Male	40GHz			*	
	29F	2.92mm Female	40GHz			*	
	35M	3.5mm Male	26.5GHz				*
	35F	3.5mm Female	26.5GHz				*

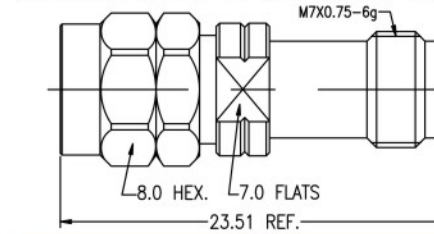
1.85mm to 1.85mm Adapters

1.85mm Male to 1.85mm Male



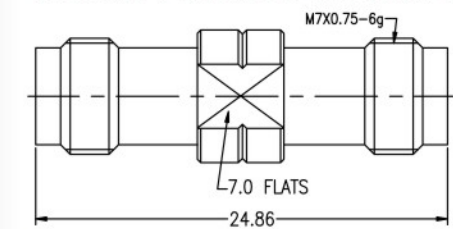
Part Number	Frequency	Materials / Plating		V S W R	
				DC~36GHz	36~67GHz
5P1M06S-P1M	DC~67GHz	Stainless steel	Passivation	<1.15	<1.25
				<1.15	<1.25

1.85mm Male to 1.85mm Female



Part Number	Frequency	Materials / Plating		V S W R	
				DC~36GHz	36~67GHz
5P1M06S-P1F	DC~67GHz	Stainless steel	Passivation	<1.15	<1.25
				<1.15	<1.25

1.85mm Female to 1.85mm Female



Part Number	Frequency	Materials / Plating		V S W R	
				DC~36GHz	36~67GHz
5P1F06S-P1F	DC~67GHz	Stainless steel	Passivation	<1.15	<1.25
				<1.15	<1.25