

Typical Applications:

- * High Volume Production Test Stations
- * OEM Test Port Cables
- * RF Test Platform
- * Research & Development Labs
- * Field Testing
- * RF circuits Testing

Flexline test cable assembly is high performance and is approximately 40% more flexible than the standard DuraLine. This cable is combined with stranded silver-plated copper center conductor and ND-PTFE dielectric, inner layer which make the cable more stable.

The connectors are uses BeCu center contact with gold plating and stainless steel shell to make sure the long work life of the test cable assemblies.

Features & Benefits:

- * Mechanical phase and amplitude stability
- * 40% more flexible
- * Tri-shielding construction
- * Connector with BeCu center contact and stainless steel shell
- * High-strength PEI as connector insulator



FlexLine warranty

Focusimple provides three months of the warranty period for FlexLine from the date of its delivery .if problems occur by normal use during this three months , our company responsible for the repair or replacement.

FlexLine Specification

Dimensions	mm	Inch	
Center Conductor	1.02	0.040	
Dielectric	3.07 0.121		
Out Conductor	3.27 0.129		
Inter Layer	3.47	0.137	
Outer Sheild	4.10	0.163	
Jacket	5.20	0.205	
PVC Armor	10.80	0.425	
S/S Armor	10.50	0.413	
Armor Anti-stress	1000N/25mm		
Minimen Bending Radious	25.00	1.00	
Retension Force	>175 lbs		
Cycle Times	>5000		
Length Tolerance	≤1m, +20mm, -0; >1m, +2%,-0		
Operation Temp.	Default	85°C	

Electrical Specific	ications				
Frequency		6GHz	18GHz	26.5GHz	
VSWR	N	1.15:1	1.30:1	-	
	SMA	1.15:1	1.25:1	1.30:1	
Impedance	50 Ohms				
Velocity of Propagation	76%				
Shielding Effectiveness	>90 dB				
Capacitance	27 pf/ft=88 pf/meter				
Mechanical Phase	Max:0.1°/GHz(See next page for actual)				
Mechnical Amplitude	Max: +/-0.08 dB(DC-26.5Ghz)				
		Attenuatio	ns Max@25°C		
Frequency (GHz)	dB/100 m		dB/100 Ft		
1	38.49		11.73		
2	55.91	55.91 17.04			
3	69.87 21.30		30		
6	103.25		31.47		
8	121.94		37.16		
12	154.91		47.21		
18	198.08		60.37		
26.5	252.14		76.85		
Attenuation at Frequency	(A=K1*sqrt(FMHz)+K2*FMHz)				
K1	1.1370000				
K2	0.0025300				
	Average	e Power (25°C,	See Level, cab	le only)	
Frequency (GHz)	Watts (max.)				
1	149				
2	102				
6	55				
12	37				
18	29				
26.5	23				



Cable structure:

Center conductor: Silver plated copper clad steel

Dielectric: Solid PTFE

Outer conductor: SPC Ribbon braiding

Interlayer: Kapton foil Outer shield: SPC braid Jacket: Blue PUR

Armor (optional): Normal PVC / high temperature stainless steel



Connector structure:

Center contact: Beryllium copper with gold plating

Insulator: Solid PTFE + high strength PEI Solder cup: Split optimized solder cup;

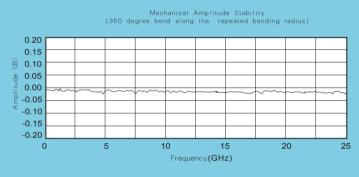
Body: Stainless steel passivated Nuts: Stainless steel passivated

(Optimized high strength dielectric to ensure the firmness of the

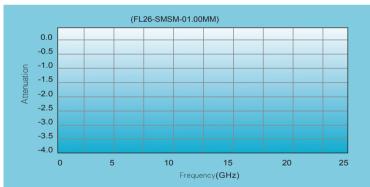
center pin after many times of plug)







ATTENUATION



VSWR

