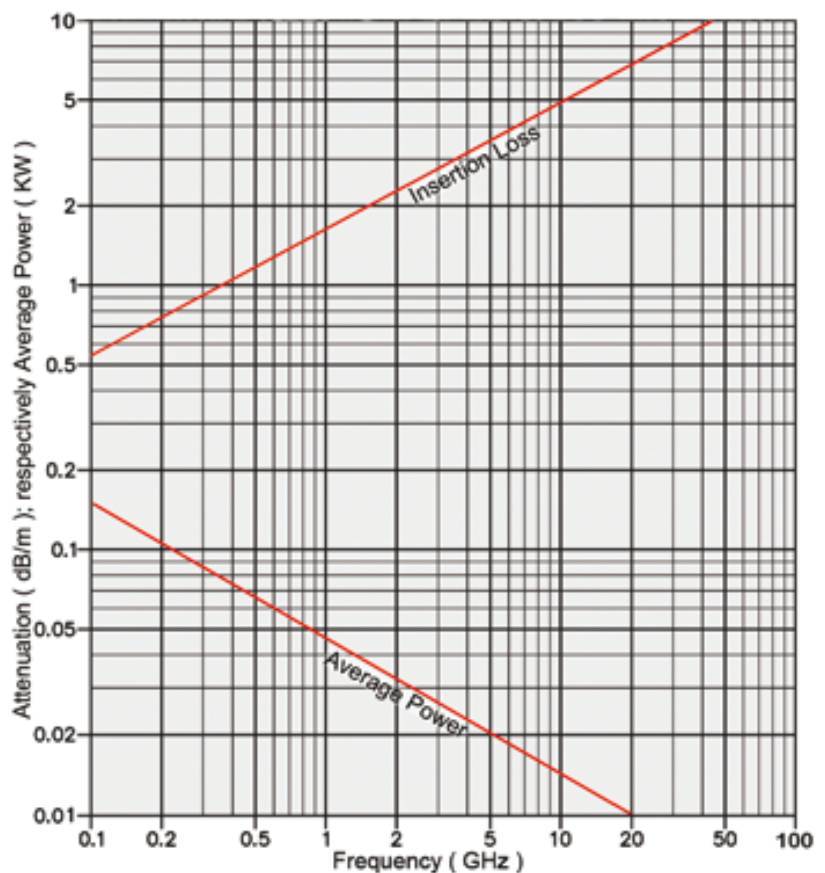
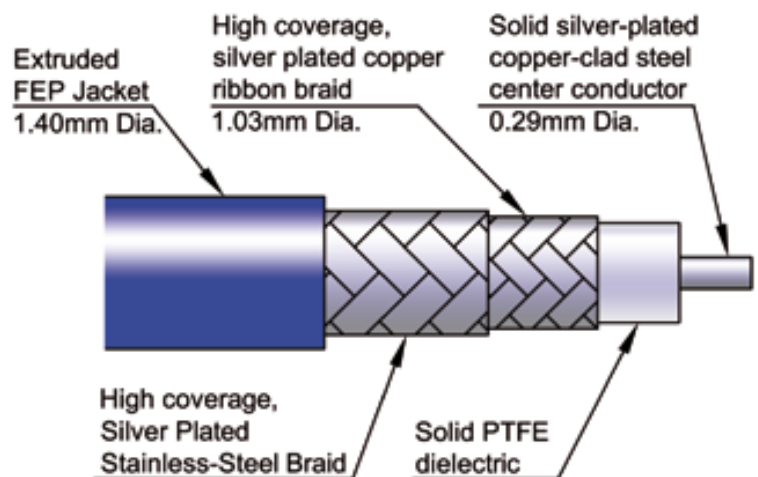


Cable - Type 47F DC - 65.0 GHz

SPECIFICATION		SpectrumFlex 47F
Cable Code		47F
Frequency Range	DC - 65.0 GHz	
Outer Diameter in mm	1.40	
Impedance in Ohms at Sea Level and +25°C	50 ± 2	
Velocity in %	70.5	
Delay (ns/m) (nominal)	4.75	
Power Handling Avg. in Watts at 1.0 GHz	50	
Capacitance nominal pF/m	94.8	
Operating Temperature Range	-54°C to +125°C	
Nominal Insertion Loss in dB/m vs. Frequency	1.0 GHz	1,35
	2.5 GHz	2,15
	10.0 GHz	4,5
	18.0 GHz	6,2
	26.5 GHz	7,6
	40.0 GHz	9,7
	50.0 GHz	11.35
	65.0 GHz	13.06
Nominal CW-Power in Watts, vs. Frequency, at Sea Level and + 20°C	1.0 GHz	46
	2.5 GHz	28
	10.0 GHz	14
	18.0 GHz	10
	26.5 GHz	7
	40.0 GHz	6
	50.0 GHz	5
65.0 GHz	3	
Outer Conductor Construction	High coverage, silver-plated copper ribbon braid, High coverage, silver-plated stainless-steel braid	
Outer Jacket	Extruded FEP jacket	
Dielectric Diameter in mm	0.91	
Dielectric Material	Solid PTFE	
Dielectric Constant	2.0	
Center Conductor Material	Solid silver-plated copper-clad steel	
Center Conductor Dia. in mm	0.29	
Connector retention (N)	45	
Weight in Grams/Meter	6	
Minimum Bend Radius (mm)	dynamic	15.25
	static	2.54

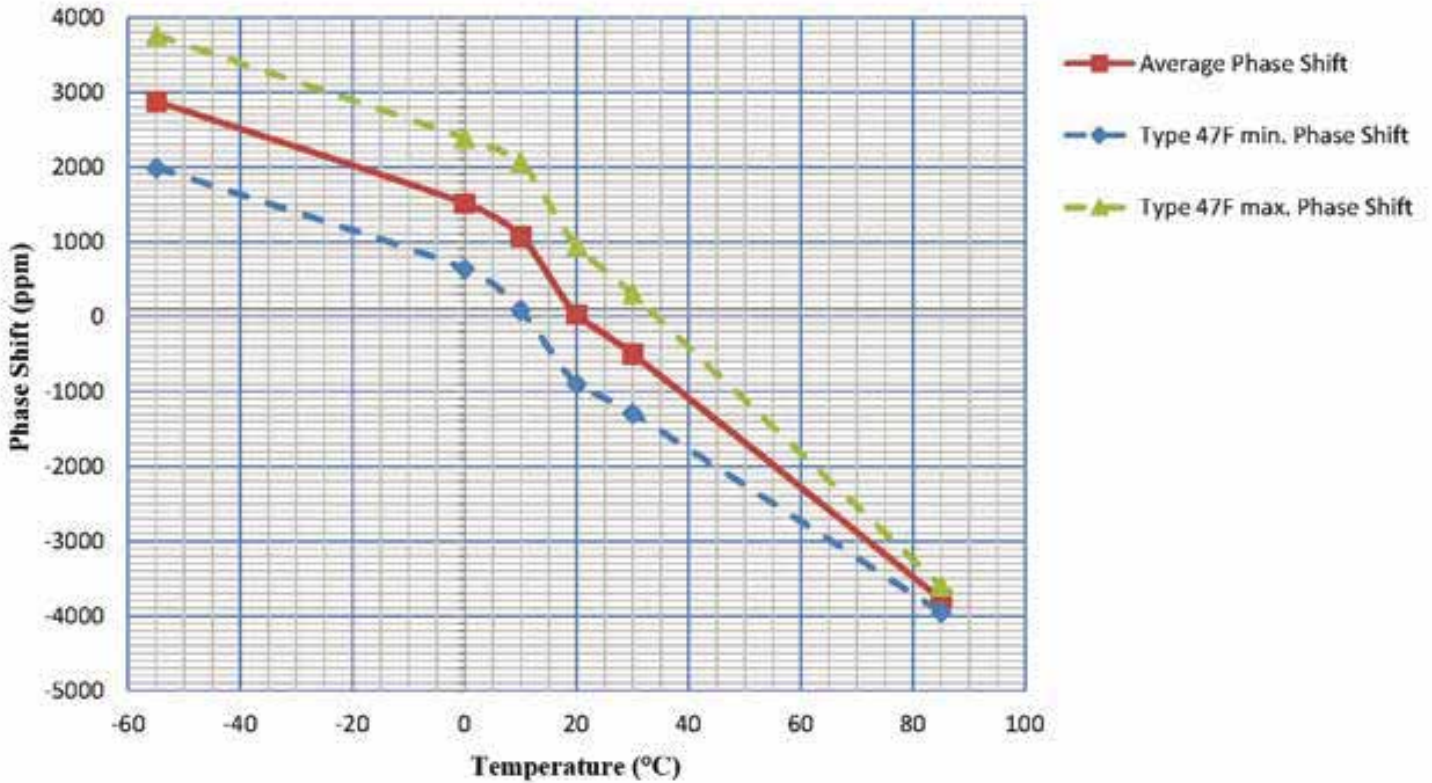
Characteristics:

- Performance to 65.0 GHz.
- Solid PTFE dielectric featuring Ultra-high strength, multi-layer outer braid:
- High compression resistance and greater durability
- Eliminates cable breakage associated with repeated bending and handling
- Flexible alternative to 0.047" Semi Rigid
- Eliminates costs associated with time-consuming cable layout
- Increased phase stability versus temperature and bending
- SpectrumFlex cables can be configured to solve tough packaging challenges



Specifications are subject to change without notice.

Phase Shift vs. Temperature of SpectrumFlex Type 47F



Specifications are subject to change without notice.