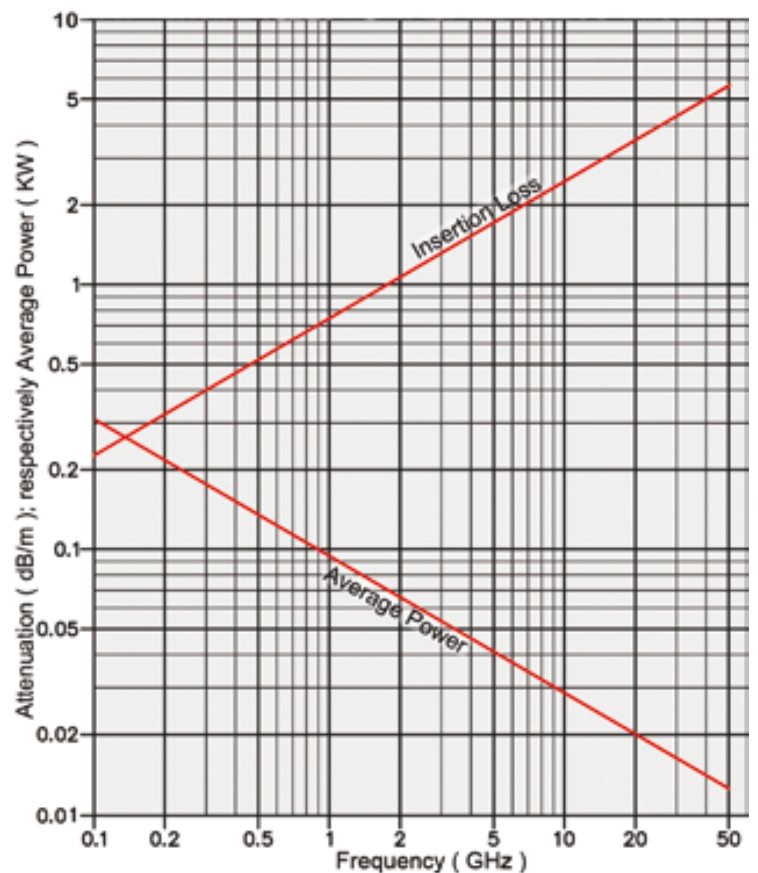
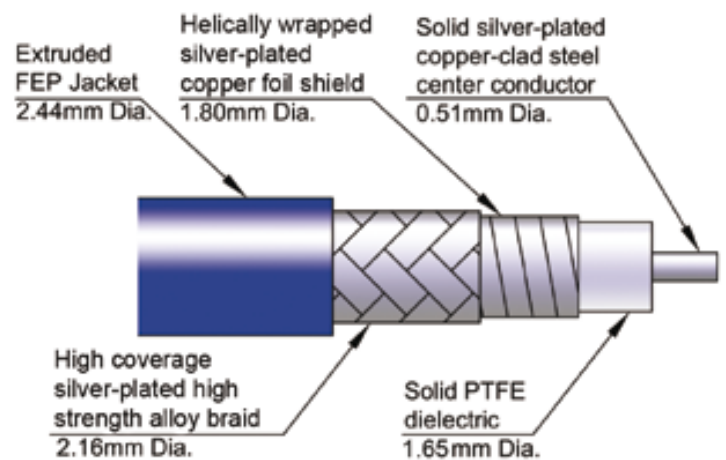


## Cable - Type 89F DC - 50.0 GHz

### Characteristics:

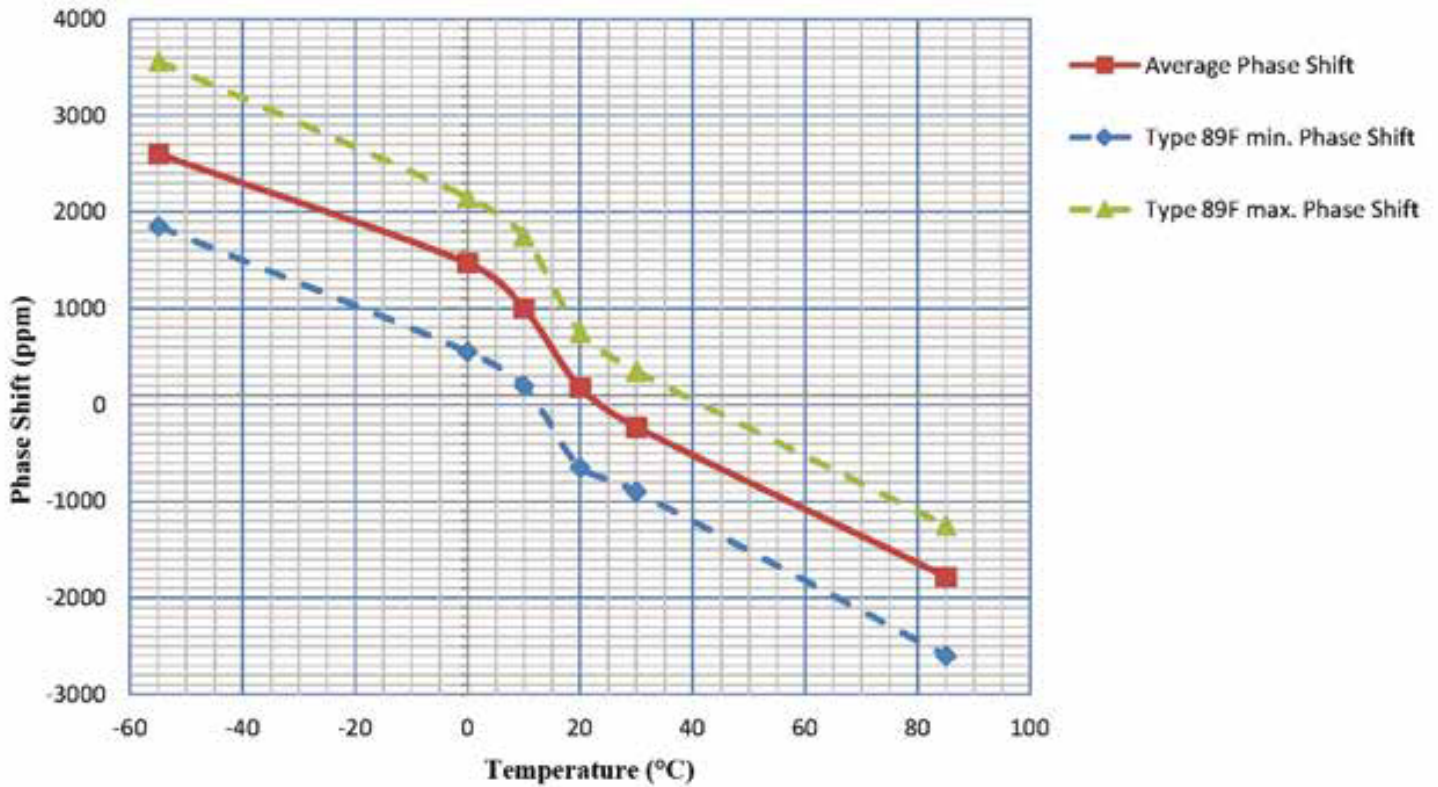
- Performance to 50.0 GHz
- Solid PTFE dielectric featuring Ultra-high strength, multilayer outer braid:
- High compression resistance and greater durability
- Eliminates cable breakage associated with repeated bending and handling
- Flexible alternative to 0.085" Semi Rigid
- Eliminates costs associated with time-consuming cable layout
- Increased phase stability versus temperature and bending
- SpectrumFlex cables can be configured to solve tough packaging challenges

SPECIFICATION		SpectrumFlex 89F
<b>Cable Code</b>		<b>89F</b>
Frequency Range		DC - 50.0 GHz
Outer Diameter in mm		2.44
Impedance in Ohms at Sea Level and +25°C		50 ± 2
Velocity in %		70.5
Delay (ns/m) (nominal)		4.72
Capacitance nominal pF/m		95.1
Operating Temperature Range		-54°C to +125°C
Nominal Insertion Loss in dB/m vs. Frequency	1.0 GHz	0.64
	2.5 GHz	1.05
	10.0 GHz	2.20
	18.0 GHz	3.10
	26.0 GHz	3.90
Nominal CW-Power in Watts, vs. Frequency, at Sea Level and + 20°C	1 GHz	96
	2.5 GHz	58
	10.0 GHz	28
	18.0 GHz	21
	26.0 GHz	17
Outer Conductor Construction	40.0 GHz	13
	Helically wrapped silver-plated copper foil shield, High coverage, silver-plated high strength alloy braid	
Outer Jacket		Extruded FEP jacket
Dielectric Diameter in mm		1.65
Dielectric Material		Solid PTFE
Dielectric Constant		2.0
Center Conductor Material		Solid silver-plated copper-clad steel
Center Conductor Dia. in mm		0,51
Connector retention in Newtons min.		65
Weight in Gramms/Meter		18
Minimum Bend Radius (mm)	dynamic	24.4
	static	4.75



Specifications are subject to change without notice.

## Phase Shift vs. Temperature of SpectrumFlex Type 89F



Specifications are subject to change without notice.