

SpectrumFlex Cable

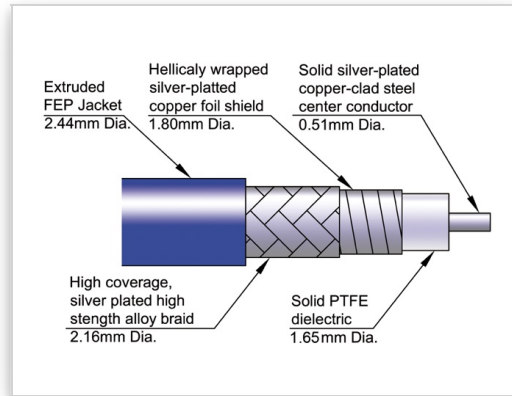
Cable Type 89F

DC - 50.00 GHz

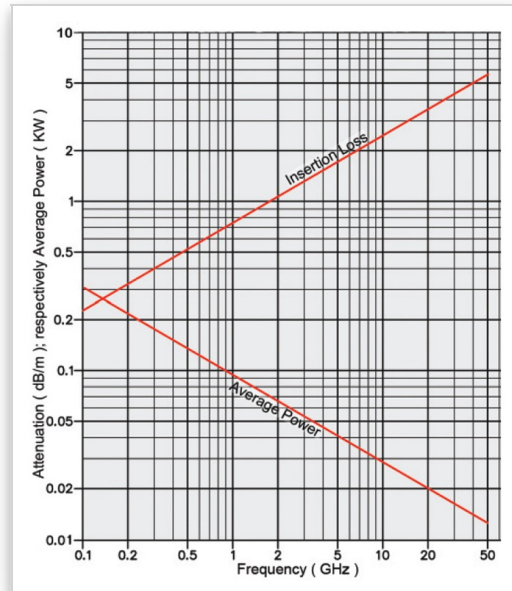
Specifications		
Cable Code	Standard	89F
	Armored	None
Frequency Range	DC - 50.00 GHz	
Outer Diameter [mm]	2.44	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	70.50	
Capacitance [pF/m]	95.10	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	1.00 GHz	0.64
	2.50 GHz	1.05
	10.00 GHz	2.20
	18.00 GHz	3.10
	26.50 GHz	3.90
	40.00 GHz	5.00
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	1.00 GHz	96.00
	2.50 GHz	58.00
	10.00 GHz	28.00
	18.00 GHz	21.00
	26.50 GHz	17.00
	40.00 GHz	13.00
RF Leakage @ 9.5 GHz	- dbC	
Operating Temperature Range	-54 to +125	
Center Conductor	Material	Solid, silver-plated copper-clad steel
	Diameter [mm]	0.51
Dielectric	Material	solid PTFE
	Diameter [mm]	1.65
	Dielectric Constant	2.0
Outer Conductor Construction	Helically wrapped silver-plated copper foil shield, high-coverage, silver-plated high-strength alloy braid	
Outer Jacket	FEP	
Weight [grams/m]	18.00	
Connector Retention Force [N]	65.00	
Minimum Bend Radius, Inside, Static [mm]	4.75	
Minimum Bend Radius, Inside, Dynamic [mm]	24.40	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



Spectrum Elektrotechnik GmbH | Olshewskibogen 1 | 80935 Munich, Germany

www.spectrum-et.com | sales@spectrum-et.com | +49 (0)89 / 354 804-0 | +49 (0)89 / 354 804-90

Specifications are subject to change without notice.