

SpectrumFlex Cable

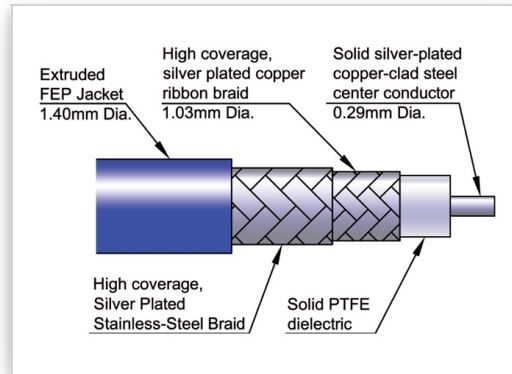
Cable Type 47F

DC - 65.00 GHz

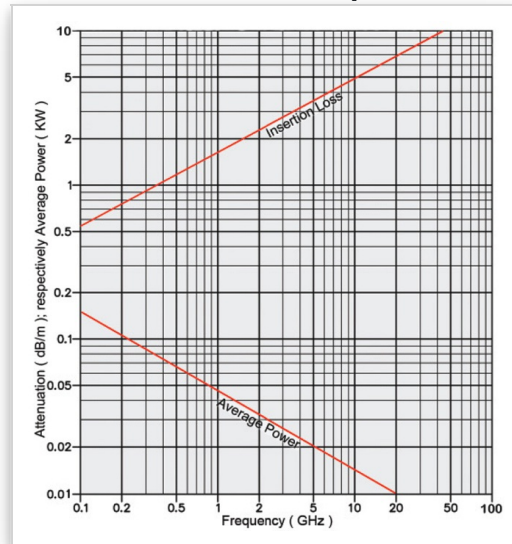
Specifications		
Cable Code	Standard	47F
	Armored	None
Frequency Range	DC - 65.00 GHz	
Outer Diameter [mm]	1.40	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	70.50	
Capacitance [pF/m]	94.80	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	1.00 GHz	1.35
	2.50 GHz	2.15
	10.00 GHz	4.50
	18.00 GHz	6.20
	26.50 GHz	7.60
	40.00 GHz	9.70
	50.00 GHz	11.35
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	1.00 GHz	46.00
	2.50 GHz	28.00
	10.00 GHz	14.00
	18.00 GHz	10.00
	26.50 GHz	7.00
	40.00 GHz	6.00
	50.00 GHz	5.00
65.00 GHz	3.00	
RF Leakage @ 9.5 GHz	- dBc	
Operating Temperature Range	-54 to +125	
Center Conductor	Material	Solid, silver-plated copper-clad steel
	Diameter [mm]	0.29
Dielectric	Material	solid PTFE
	Diameter [mm]	0.91
	Dielectric Constant	2.0
Outer Conductor Construction	High-coverage, silver-plated copper ribbon braid, high-coverage, silver-plated stainless steel braid	
Outer Jacket	FEP	
Weight [grams/m]	6.00	
Connector Retention Force [N]	45.00	
Minimum Bend Radius, Inside, Static [mm]	2.54	
Minimum Bend Radius, Inside, Dynamic [mm]	15.25	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.