

# High Performance Flexible Cable

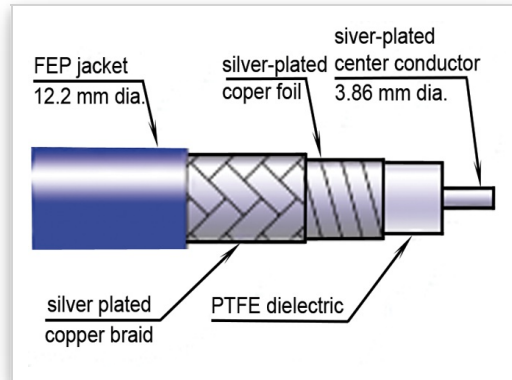
## Cable Type 500

DC - 11.00 GHz

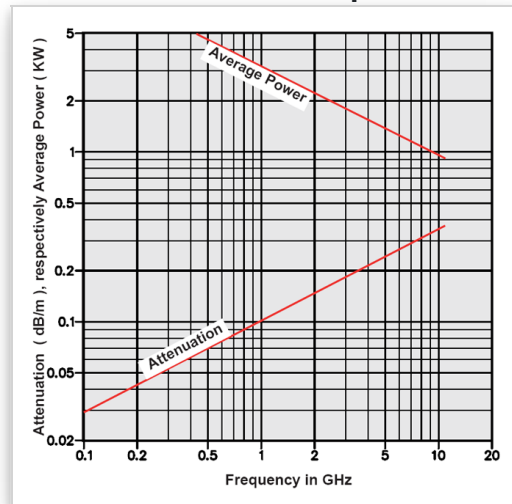
Specifications		
Cable Code	Standard	500
	Armored	500x
Frequency Range	DC - 11.00 GHz	
Outer Diameter [mm]	12.20	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 1	
Velocity of Propagation [% , ± 2%]	84.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	5.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	2.50	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.08
	2.00 GHz	0.16
	4.00 GHz	0.22
	8.00 GHz	0.33
	11.00 GHz	0.40
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	4930.00
	2.00 GHz	2207.00
	4.00 GHz	1480.00
	8.00 GHz	987.00
	11.00 GHz	820.00
RF Leakage @ 9.5 GHz	-100 @ 11.0 GHz dBc	
Operating Temperature Range	-65 to +150	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	3.86
Dielectric	Material	low-density PTFE
	Diameter [mm]	10.08
	Dielectric Constant	1.5
Outer Conductor Construction	silver-plated copper braid, fiber glass serving, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	255.00	
Connector Retention Force [N]	250.00	
Minimum Bend Radius, Inside, Static [mm]	60.00	
Minimum Bend Radius, Inside, Dynamic [mm]	180.00	

### Characteristics:

### Cross Section View:



### Attenuation & Power Graph:



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Specifications are subject to change without notice.