

# High Performance Flexible Cable

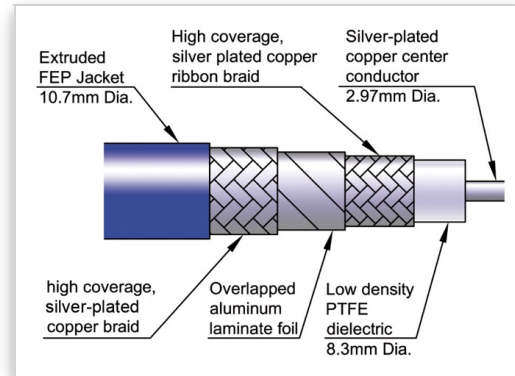
## Cable Type 120

DC - 12.00 GHz

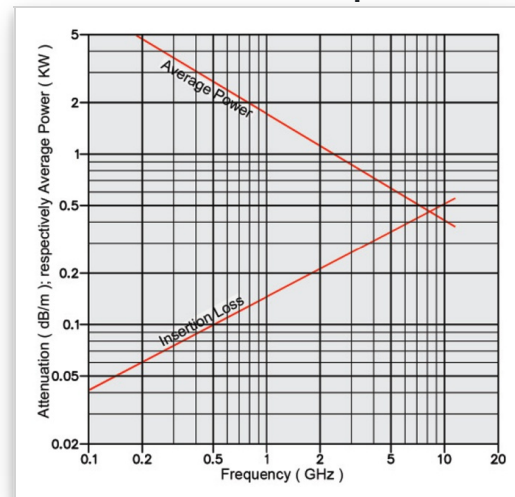
Specifications		
Cable Code	Standard	120
	Armored	120x
Frequency Range	DC - 12.00 GHz	
Outer Diameter [mm]	10.70	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	77.00	
Capacitance [pF/m]	87.00	
Dielectric Strength (60 Hz) [KV rms]	8.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	2.00	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.10
	1.00 GHz	0.15
	2.00 GHz	0.21
	5.00 GHz	0.35
	10.00 GHz	0.49
	12.00 GHz	0.55
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	2570.00
	1.00 GHz	1700.00
	2.00 GHz	1125.00
	5.00 GHz	652.00
	10.00 GHz	431.00
	12.00 GHz	387.00
RF Leakage @ 9.5 GHz	-90 dBc @ 12.0 GHz dbC	
Operating Temperature Range	-54 to +150	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	2.97
Dielectric	Material	low-density PTFE
	Diameter [mm]	8.30
	Dielectric Constant	1.6
Outer Conductor Construction	silver-plated copper braid, overlapping Aluminum Film, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	280.00	
Connector Retention Force [N]	210.00	
Minimum Bend Radius, Inside, Static [mm]	64.00	
Minimum Bend Radius, Inside, Dynamic [mm]	102.00	

### Characteristics:

#### Cross Section View:



#### Attenuation & Power Graph:



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Specifications are subject to change without notice.