

High Performance Flexible Cable

Cable Type 100

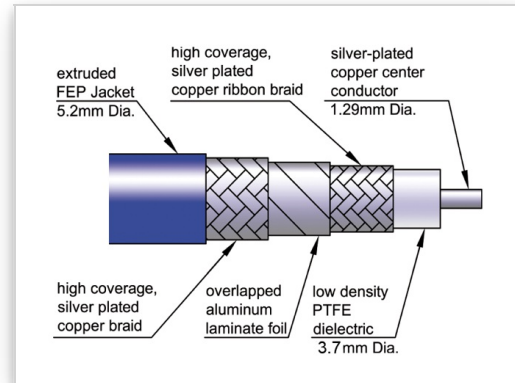
Low loss, Low Cost, High Performance
DC - 26.50 GHz

Specifications

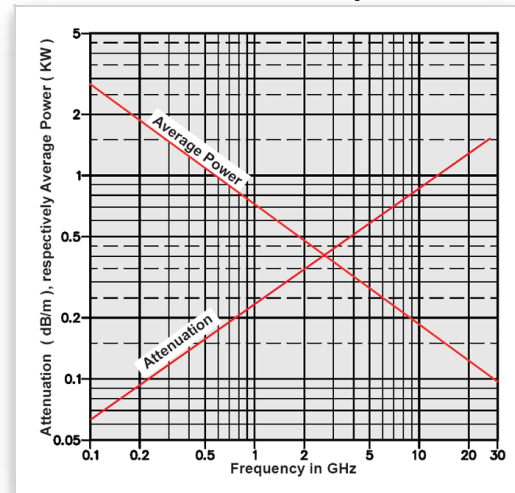
Cable Code	Standard	100
	Armored	100x
Frequency Range	DC - 26.50 GHz	
Outer Diameter [mm]	5.20	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	75.00	
Capacitance [pF/m]	89.00	
Dielectric Strength (60 Hz) [KV rms]	6.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	1.50	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.16
	2.00 GHz	0.35
	5.00 GHz	0.58
	10.00 GHz	0.86
	18.00 GHz	1.20
	26.50 GHz	1.48
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	1133.00
	1.00 GHz	750.00
	2.00 GHz	496.00
	5.00 GHz	288.00
	10.00 GHz	190.00
	18.00 GHz	134.00
	26.50 GHz	108.00
RF Leakage @ 9.5 GHz	-90 @ 18.0 GHz dBc	
Operating Temperature Range	-54 to +150	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	1.29
Dielectric	Material	low-density PTFE
	Diameter [mm]	3.70
	Dielectric Constant	1.6
Outer Conductor Construction	Copper ribbon braid, overlapping Aluminum Film, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	66.00	
Connector Retention Force [N]	140.00	
Minimum Bend Radius, Inside, Static [mm]	26.00	
Minimum Bend Radius, Inside, Dynamic [mm]	54.00	

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.