

High Performance Flexible Cable

Cable Type 677

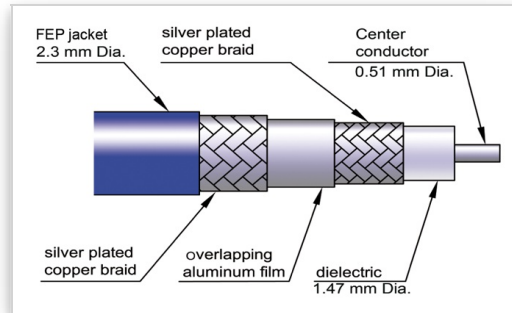
Small Diameter, Good Performance
DC - 18.00 GHz

Specifications

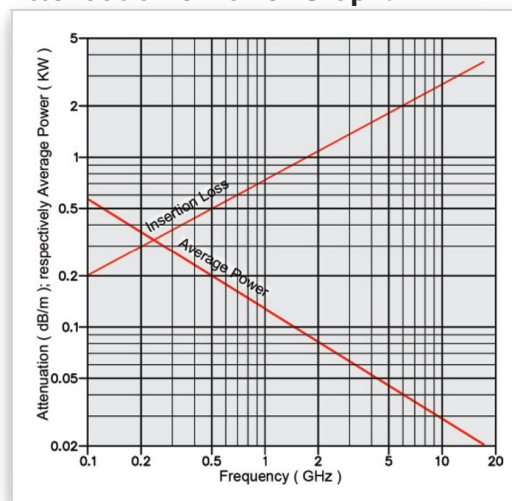
Cable Code	Standard	677
	Armored	677x
Frequency Range	DC - 18.00 GHz	
Outer Diameter [mm]	2.30	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	78.00	
Capacitance [pF/m]	87.00	
Dielectric Strength (60 Hz) [KV rms]	2.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	0.60	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.50
	2.00 GHz	1.05
	4.00 GHz	1.51
	8.00 GHz	2.23
	12.40 GHz	2.80
	18.00 GHz	3.46
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	200.00
	2.00 GHz	75.00
	4.00 GHz	45.00
	8.00 GHz	28.00
	12.40 GHz	20.00
	18.00 GHz	10.00
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]	0.51
Dielectric	Material	low-density PTFE
	Diameter [mm]	1.47
	Dielectric Constant	1.6
Outer Conductor Construction	silver-plated copper braid, overlapping Aluminum Film, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	13.00	
Connector Retention Force [N]	65.00	
Minimum Bend Radius, Inside, Static [mm]	11.50	
Minimum Bend Radius, Inside, Dynamic [mm]	23.00	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



Spectrum Elektrotechnik GmbH | Olschewskibogen 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.