

High Performance Flexible Cable

Cable Type 14

Low Loss

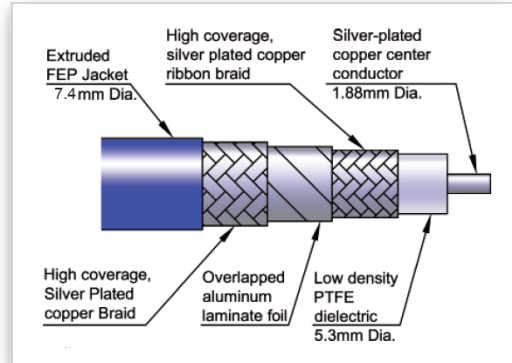
DC - 19.80 GHz

Specifications		
Cable Code	Standard	14
	Armored	14x
Frequency Range	DC - 19.80 GHz	
Outer Diameter [mm]	7.40	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	76.00	
Capacitance [pF/m]	88.00	
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	0.13
	2.00 GHz	0.28
	5.00 GHz	0.46
	10.00 GHz	0.67
	18.00 GHz	0.92
	19.80 GHz	0.98
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	2200.00
	2.00 GHz	950.00
	5.00 GHz	570.00
	10.00 GHz	340.00
	18.00 GHz	275.00
	19.80 GHz	260.00
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]	1.88
Dielectric	Material	low-density PTFE
	Diameter [mm]	5.30
	Dielectric Constant	1.6
Outer Conductor Construction	silver-plated copper braid, overlapping Aluminum Film, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	118.00	
Connector Retention Force [N]	200.00	
Minimum Bend Radius, Inside, Static [mm]	38.00	
Minimum Bend Radius, Inside, Dynamic [mm]	74.00	

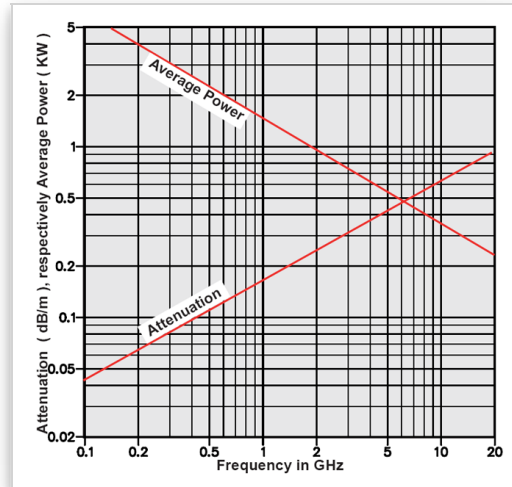
Characteristics:

- Excellent Performance to 19.8 GHz
- Very rugged construction
- Meeting the very highest quality standard as needed for crucial applications in harsh environment
- Procurement for completely terminated assemblies, fully tested. The test documentation for VSWR and Insertion Loss will be supplied with the cable assembly
- Available Connectors: 7 mm, N, SMA, SBX, SBY, BQ-, CQ-, IQ-, RQ-, SQ-, TQ-Series and TNC

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.