

High Performance Flexible Cable

Cable Type 104

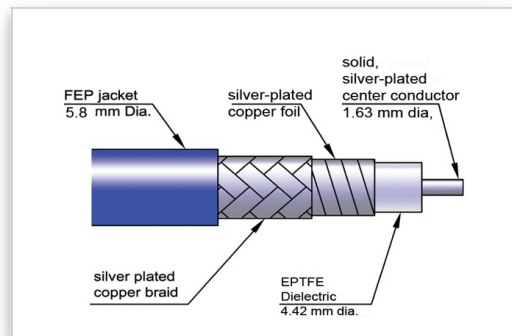
Ultimate Performance
DC - 26.50 GHz

Specifications

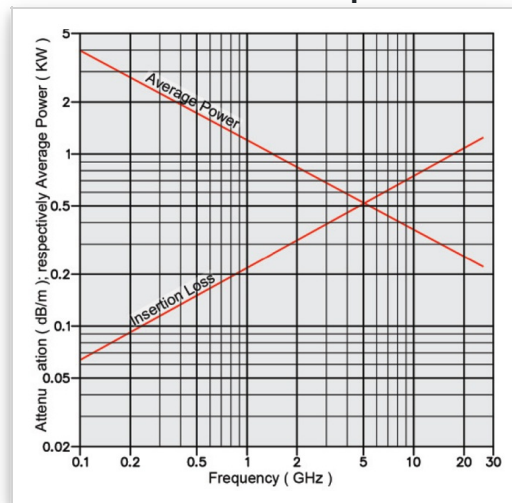
Cable Code	Standard	104
	Armored	104x
Frequency Range	DC - 26.50 GHz	
Outer Diameter [mm]	5.80	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	83.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	2.00 GHz	0.30
	4.00 GHz	0.40
	6.00 GHz	0.50
	8.00 GHz	0.60
	10.00 GHz	0.68
	12.00 GHz	0.74
	18.00 GHz	0.92
	25.00 GHz	1.10
	26.50 GHz	1.15
	Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	2.00 GHz
4.00 GHz		520.00
6.00 GHz		450.00
8.00 GHz		380.00
10.00 GHz		350.00
12.00 GHz		310.00
18.00 GHz		270.00
25.00 GHz		215.00
26.50 GHz		210.00
RF Leakage @ 9.5 GHz		>100 @ 18.0 GHz dbC
Operating Temperature Range	-65 to +165	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	1.63
Dielectric	Material	Low-density EPTFE
	Diameter [mm]	4.42
	Dielectric Constant	1.5
Outer Conductor Construction	silver-plated copper foil, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	72.00	
Connector Retention Force [N]	130.00	
Minimum Bend Radius, Inside, Static [mm]	20.00	
Minimum Bend Radius, Inside, Dynamic [mm]	80.00	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.