

High Performance Flexible Cable

Cable Type 102

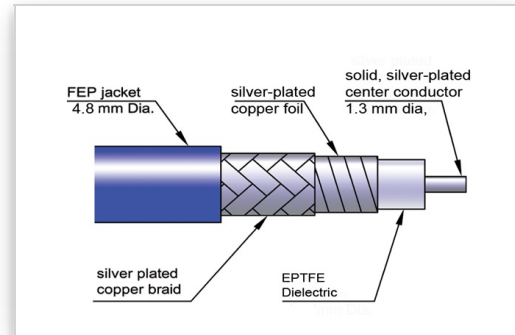
Ultimate Performance
DC - 32.00 GHz

Specifications

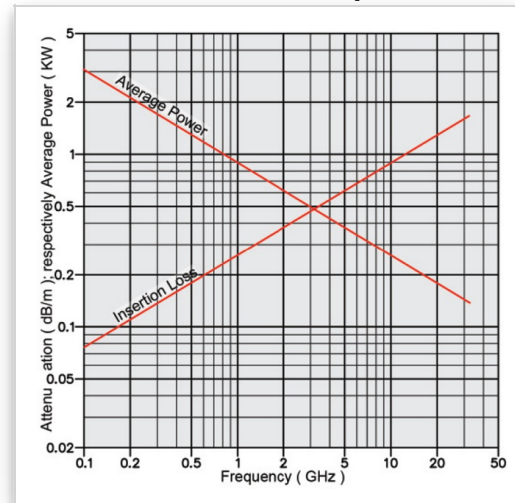
Cable Code	Standard	102
	Armored	102x
Frequency Range	DC - 32.00 GHz	
Outer Diameter [mm]	4.80	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	83.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	2.00 GHz	0.38
	4.00 GHz	0.53
	6.00 GHz	0.66
	8.00 GHz	0.77
	12.00 GHz	0.95
	18.00 GHz	1.20
	26.50 GHz	1.50
	31.00 GHz	1.58
	32.00 GHz	1.62
	Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	2.00 GHz
4.00 GHz		400.00
6.00 GHz		320.00
8.00 GHz		290.00
12.40 GHz		215.00
18.00 GHz		195.00
26.50 GHz		170.00
31.00 GHz		155.00
32.00 GHz		150.00
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]	1.30
Dielectric	Material	Low-density EPTFE
	Diameter [mm]	3.60
	Dielectric Constant	1.5
Outer Conductor Construction	silver-plated copper foil, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	58.00	
Connector Retention Force [N]	130.00	
Minimum Bend Radius, Inside, Static [mm]	15.00	
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.