

High Performance Flexible Cable

Cable Type 300

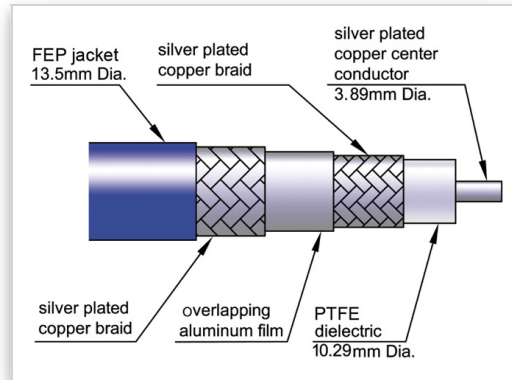
Low Loss, High Power
DC - 9.50 GHz

Specifications

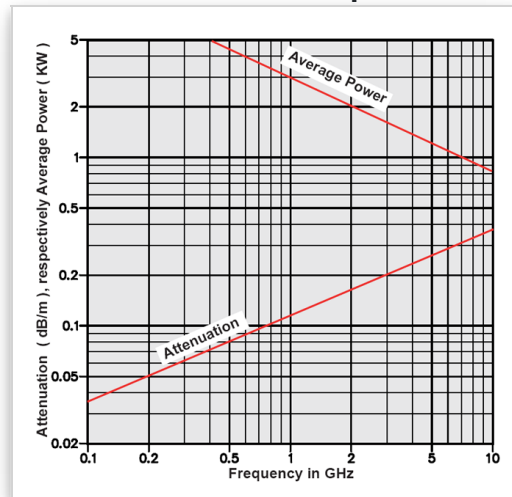
Cable Code	Standard	300
	Armored	300x
Frequency Range	DC - 9.50 GHz	
Outer Diameter [mm]	13.50	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	77.00	
Capacitance [pF/m]	87.00	
Dielectric Strength (60 Hz) [KV rms]	8.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	2.00	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.08
	2.00 GHz	0.16
	4.00 GHz	0.23
	6.00 GHz	0.28
	8.00 GHz	0.33
	9.00 GHz	0.35
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	4530.00
	2.00 GHz	1985.00
	4.00 GHz	1314.00
	6.00 GHz	1032.00
	8.00 GHz	870.00
	9.00 GHz	810.00
RF Leakage @ 9.5 GHz	-90 @ 9.5 GHz dBc	
Operating Temperature Range	-54 to +150	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	3.89
Dielectric	Material	low-density PTFE
	Diameter [mm]	10.29
	Dielectric Constant	1.6
Outer Conductor Construction	silver-plated copper braid, overlapping Aluminum Film, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	416.00	
Connector Retention Force [N]	220.00	
Minimum Bend Radius, Inside, Static [mm]	90.00	
Minimum Bend Radius, Inside, Dynamic [mm]	170.00	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.