

Phase-stable Cable

Cable Type 370T

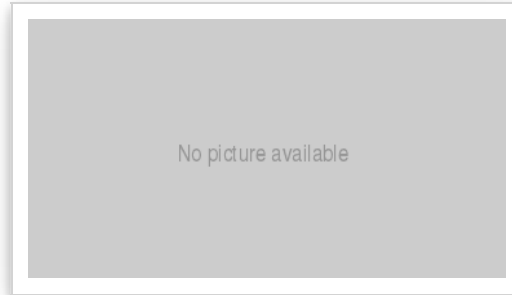
Very flexible and phase-stable
DC - 45.00 GHz

Specifications

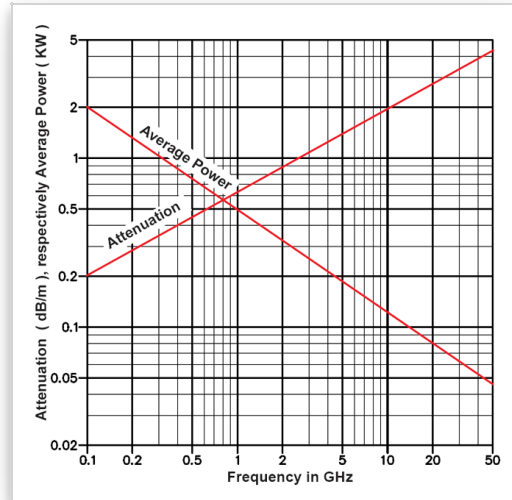
Cable Code		Standard	370T
		Armored	370Tx
Frequency Range	DC - 45.00 GHz		
Outer Diameter [mm]	9.50		
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2		
Velocity of Propagation [% , ± 2%]	83.00		
Capacitance [pF/m]	82.00		
Dielectric Strength (60 Hz) [KV rms]	2.00		
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	2.00		
Nominal Insertion Loss vs. Frequency [dB/m]	1.00 GHz	0.60	
	4.00 GHz	1.13	
	8.00 GHz	1.65	
	12.40 GHz	2.10	
	18.00 GHz	2.62	
	26.50 GHz	3.18	
	40.00 GHz	3.72	
	45.00 GHz	4.07	
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	1.00 GHz	402.00	
	4.00 GHz	201.00	
	8.00 GHz	134.00	
	12.40 GHz	107.00	
	18.00 GHz	89.00	
	26.50 GHz	71.00	
	40.00 GHz	54.00	
45.00 GHz	49.00		
RF Leakage @ 9.5 GHz	>90 @ 18.0 GHz dBc		
Operating Temperature Range	-65 to +125		
Center Conductor	Material	Stranded (7x 0.27 mm) Copper, silver-plated	
	Diameter [mm]	0.81	
Dielectric	Material	Laminated EPTFE	
	Diameter [mm]	2.31	
	Dielectric Constant	1.5	
Outer Conductor Construction	silver-plated copper foil, silver-plated copper braid		
Outer Jacket	FEP		
Weight [grams/m]	26.00		
Connector Retention Force [N]	-		
Minimum Bend Radius, Inside, Static [mm]	6.40		
Minimum Bend Radius, Inside, Dynamic [mm]	-		

Characteristics:

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.