

Phase-stable Cable

Cable Type 370T

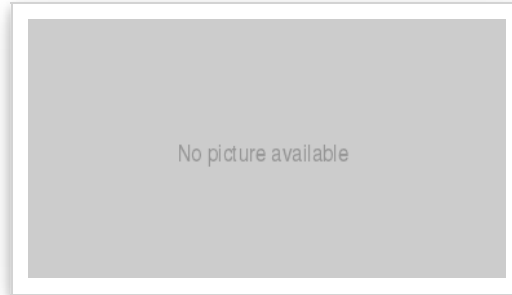
Very flexible and phase-stable
DC - 45.00 GHz

Specifications

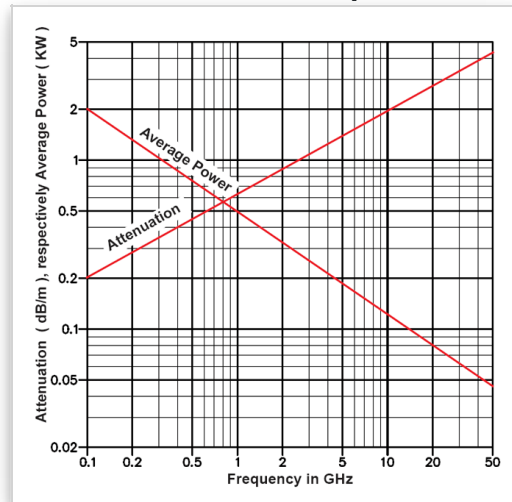
Cable Code	Standard	370T
	Armored	370Tx
Frequency Range	DC - 45.00 GHz	
Outer Diameter [mm]	9.50	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	83.00	
Capacitance [pF/m]	82.00	
Dielectric Strength (60 Hz) [KV rms]	2.00	
Max. Operating Voltage (60 Hz, @ sea level) [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:



Spectrum Elektrotechnik GmbH | Olschewskibogen 1 | 80935 Munich, Germany

📧 www.spectrum-et.com | ✉ sales@spectrum-et.com | 📞 +49 (0)89 / 354 804-0 | 📠 +49 (0)89 / 354 804-90

Specifications are subject to change without notice.