

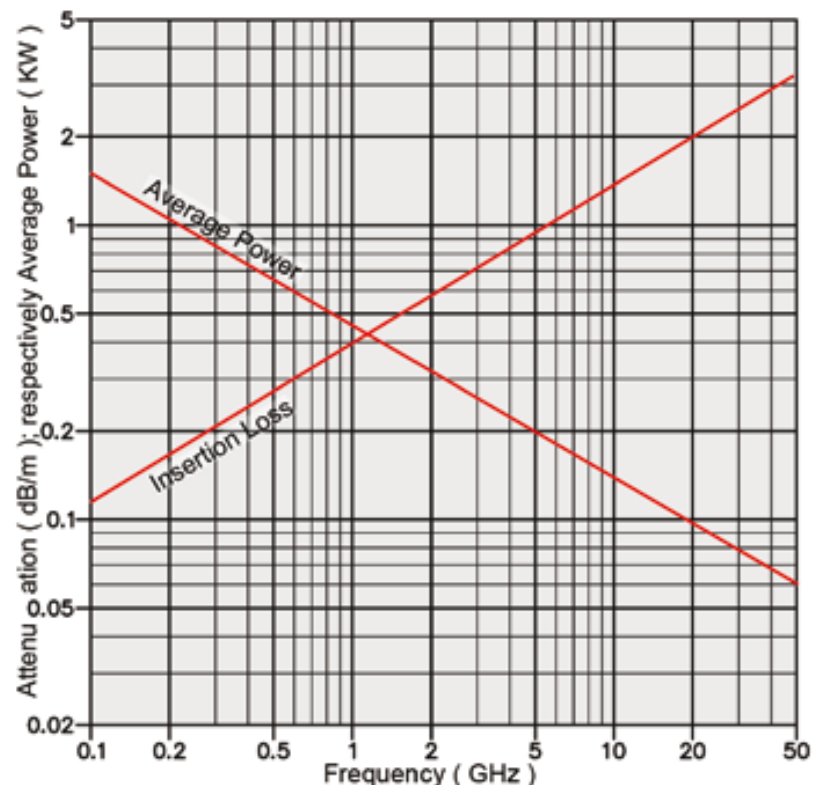
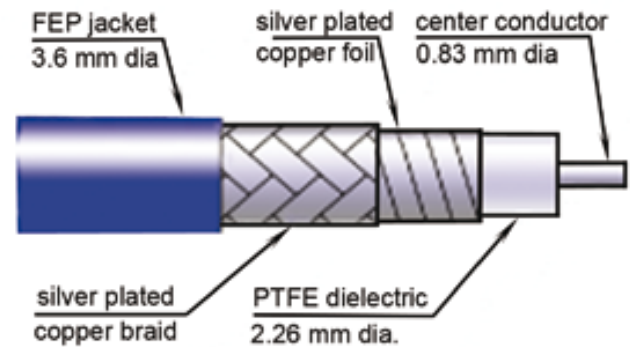
## Cable - Type 37

### Ultimate Performance to 50.0 GHz

SPECIFICATION		Type 37
Cable Code	Standard	37
	Armored	37x
	X: Please find Armor & Ruggedizing Options in Section S.	
Frequency Range		DC to 50.0 GHz
Outer Diameter in mm	Standard	3.6
Impedance in Ohms at Sea Level and +25°C		50 ± 1
Velocity in %, ± 2%		84
Capacitance in pF/m		79
Dielectric Strength (60 Hz) in KV rms		2.0
Max. Operating Voltage at Sea Level, in KV rms, 60 Hz		1.3
Nominal Insertion Loss in dB/m vs. Frequency	4.0 GHz	0.94
	8.0 GHz	1.37
	12.4 GHz	1.75
	18.0 GHz	2.18
	26.5 GHz	2.65
	40.0 GHz	3.10
Nominal CW-Power in Watts, vs. Frequency, at Sea Level and + 20°C	4.0 GHz	225
	8.0 GHz	150
	12.4 GHz	120
	18.0 GHz	97
	26.5 GHz	80
	40.0 GHz	63
RF - Leakage at 18.0 GHz		> 100 dB
Operating Temperature Range		-65°C to +125°C
Outer Conductor Construction		Silver-Plated Copper Foil, Silver-Plated Copper Braid
Outer Jacket		FEP
Dielectric Diameter in mm		2.26
Dielectric Material		Low Density PTFE
Dielectric Constant		1.5
Center Conductor Material		Copper, Silver Plated
Center Conductor Dia. in mm		0.83
Weight in Grams/Meter		27
Connector Retention Force (N)		130
Minimum Bend Radius, Inside, Static (mm)		20
Minimum Bend Radius, Inside, Dynamic (mm)		75

#### Characteristics:

- \* Excellent Performance to 50 GHz.
- \* Small diameter
- \* Excellent Flexibility
- \* Meeting the very highest Quality Standards.
- \* Procurement for completely terminated assemblies, fully tested. The test documentation for VSWR and Insertion Loss will be supplied with the cable assembly.
- \* Available connectors: 2.4mm, 2.92mm 3.5mm, 7mm, N, SMA, SBX, SBY, BQ-, CQ-, IQ-, RQ-, SQ- TQ-Series and TNC.. For Connector Outline Drawings please refer to Section Q.
- \* For Connector Code details please refer to Section S.
- \* For information on armor please refer to Section S as well.
- \* For ordering information please refer to Section A.



Specifications are subject to change without notice.