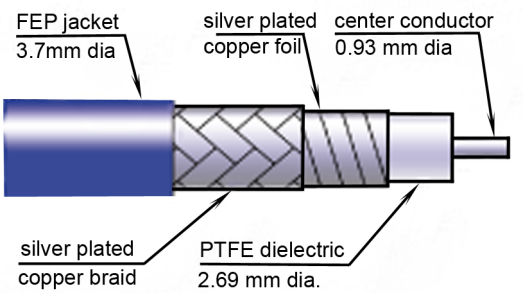
B

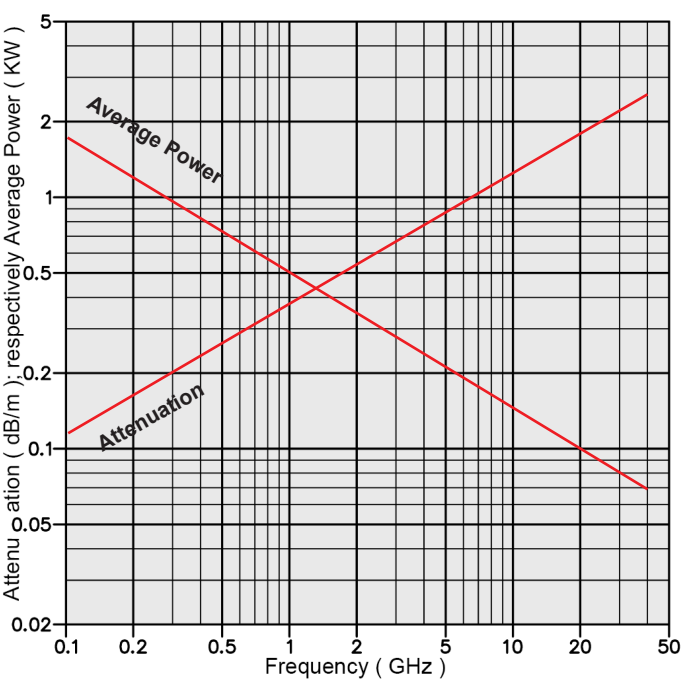
Cable - Type 39
Ultimate Performance
DC - 45.0 GHz

SPECIFICATION		Type 39
Cable Code	Standard	39
	Armored	39x
	X: Please find Armor & Ruggedizing Options in Section S.	
Frequency Range		DC to 45.0 GHz
Outer Diameter in mm	Standard	3.7
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	1.0 GHz	0.36
	4.0 GHz	0.73
	8.0 GHz	1.04
	12.0 GHz	1.29
	18.0 GHz	1.60
	26.0 GHz	1.94
	40.0 GHz	2.46
Nominal CW-Power in Watts, vs. Frequency, at Sea Level and + 20°C	1.0 GHz	500
	4.0 GHz	260
	8.0 GHz	180
	12.0 GHz	150
	18.0 GHz	120
	26.0 GHz	100
	40.0 GHz	75
RF - Leakage at 18.0 GHz		- 100 dBC
Operating Temperature Range		-54°C to +125°C
Outer Conductor Construction		Silver-Plated Copper Foil, Silver-Plated Copper Braid
Outer Jacket		FEP
Dielectric Diameter in mm		2.69
Dielectric Material		Low Density PTFE
Dielectric Constant		1.6
Center Conductor Material		Copper, Silver Plated
Center Conductor Dia. in mm		0.93
Weight in Grams/Meter		33
Connector Retention Force (N)		140
Minimum Bend Radius, Inside, Static (mm)		19
Minimum Bend Radius, Inside, Dynamic (mm)		75

Characteristics:

* Excellent Performance DC to 45 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.