

# High Performance Flexible Cable

## Cable Type 11

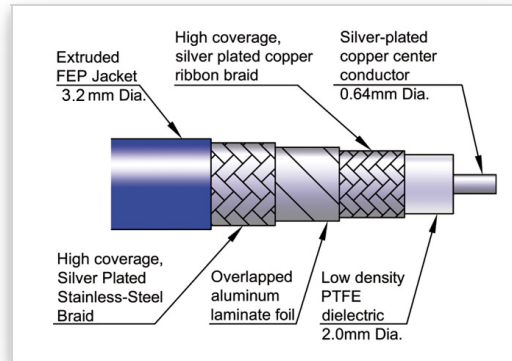
DC - 50.00 GHz

Specifications		
Cable Code	Standard	11
	Armored	11x
Frequency Range	DC - 50.00 GHz	
Outer Diameter [mm]	3.20	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	74.00	
Capacitance [pF/m]	90.00	
Dielectric Strength (60 Hz) [KV rms]	5.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	0.50	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.37
	2.00 GHz	0.76
	5.00 GHz	1.24
	10.00 GHz	1.80
	18.00 GHz	2.53
	26.50 GHz	2.98
	40.00 GHz	3.90
	50.00 GHz	4.40
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	470.00
	2.00 GHz	190.00
	5.00 GHz	107.00
	10.00 GHz	65.00
	18.00 GHz	48.00
	26.50 GHz	38.00
	50.00 GHz	26.00
RF Leakage @ 9.5 GHz	-90 @ 18.0 GHz dBc	
Operating Temperature Range	-54 to +150	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	0.64
Dielectric	Material	low-density PTFE
	Diameter [mm]	2.00
	Dielectric Constant	1.8
Outer Conductor Construction	silver-plated copper braid, overlapping Aluminum Film, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	26.20	
Connector Retention Force [N]	130.00	
Minimum Bend Radius, Inside, Static [mm]	12.70	
Minimum Bend Radius, Inside, Dynamic [mm]	31.70	

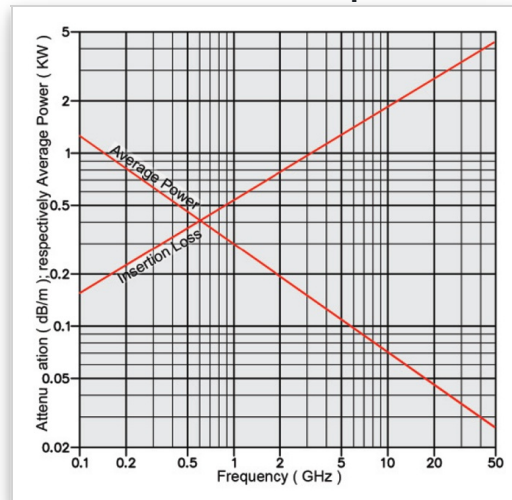
### Characteristics:

- Low loss Performance to 50.0 GHz
- Small diameter
- Rugged construction
- Procurement for completely terminated assemblies, fully tested. The test documentation for VSWR and Insertion Loss will be supplied with the cable assembly
- Available Connectors: 2.4 mm, 2.92 mm, 3.5 mm, 7 mm, N, SMA, SBX, SBY, BQ-, CQ-, IQ-, RQ-, SQ-, TQ-Series and TNC

### Cross Section View:



### Attenuation & Power Graph:



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Specifications are subject to change without notice.