

# High Performance Flexible Cable

## Cable Type 65

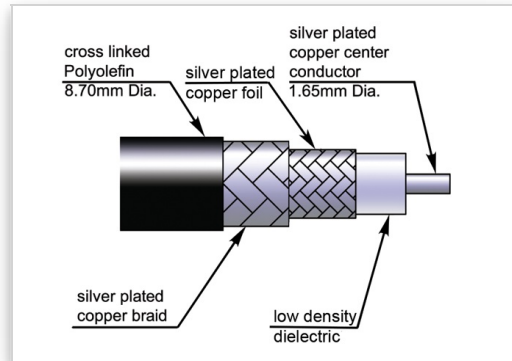
**1.16 dB/m Insertion Loss @ 26.5 GHz**  
**DC - 26.50 GHz**

Specifications		
Cable Code	Standard	65
	Armored	65x
Frequency Range	DC - 26.50 GHz	
Outer Diameter [mm]	8.70	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	84.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	6.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	1.50	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.13
	2.00 GHz	0.31
	4.00 GHz	0.44
	8.00 GHz	0.63
	12.40 GHz	0.78
	18.00 GHz	0.95
	26.50 GHz	1.16
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	1530.00
	2.00 GHz	720.00
	4.00 GHz	492.00
	8.00 GHz	337.00
	12.40 GHz	270.00
	18.00 GHz	216.00
	26.50 GHz	178.00
RF Leakage @ 9.5 GHz	-90 @ 18.0 GHz dBc	
Operating Temperature Range	-54 to +110	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	1.65
Dielectric	Material	low-density PTFE
	Diameter [mm]	4.37
	Dielectric Constant	1.4
Outer Conductor Construction	2x copper braid, silver-plated	
Outer Jacket	cross-linked polyolefin	
Weight [grams/m]	153.00	
Connector Retention Force [N]	190.00	
Minimum Bend Radius, Inside, Static [mm]	65.00	
Minimum Bend Radius, Inside, Dynamic [mm]	120.00	

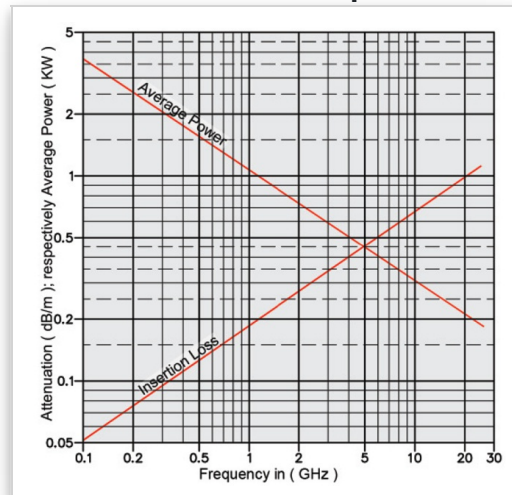
### Characteristics:

- Performance to 26.5 GHz when terminated with 2.92 mm or 3.5 mm connectors (mating with SMA)
- Meeting the very highest quality standard as needed for crucial applications in harsh environment
- Procurement for completely terminated assemblies, fully tested. The test documentation for VSWR and Insertion Loss will be supplied with the cable assembly
- Available Connectors: 2.5/5.5, 2.92 mm, 3.5 mm, 7 mm, N, SBX, SBY, SC, SMA, SPM and TNC

### Cross Section View:



### Attenuation & Power Graph:



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Specifications are subject to change without notice.