

# HandyForm-II (solid dielectric) Cable

## Cable Type 150 (422-121-3)

Frequency Range: DC - 20.00 GHz

General		
Cabel Model No.	422-121-3	
Cable Code for Cable Assemblies	150	
Max. Operating Frequency (GHz)	20.00	
Mechanical		
Outer Diameter	inches	0.2500"
	mm	6.35
Outer Conductor Construction	Seamless Aluminum, tin-plated	
Dielectric Material	solid PTFE	
Dielectric Dia. (mm)	5.31	
Dielectric Constant	2.0	
Center Conductor Material	copper	
Center Conductor Finish	silver-plated	
Center Conductor Dia. (mm)	1.63	
Weight (grams/m)	78.00	
Safe Bending Radius for a 360° bend with proper tooling (mm)	10.00	
Electrical		
Impedance (Ohms @ sea level and +25°C)	50 ± 1	
Velocity of Propagation (% , ±2 %)	69.90	
Capacitance (pF/m)	98.00	
Dielectric Strength (KV <sub>rms</sub> @ 60 Hz)	7.50	
Max. Operating Voltage (KV <sub>rms</sub> @ 60 Hz and sea level)	3.00	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.19
	1.00 GHz	0.29
	5.00 GHz	0.71
	10.00 GHz	1.12
	18.00 GHz	1.50
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	2000.00
	1.00 GHz	1400.00
	5.00 GHz	470.00
	10.00 GHz	300.00
	18.00 GHz	210.00
Environmental		
Operating Temperature Range (°C)	-54 to +110	

### Characteristics:

### Additional Information:

- [Connector Code details](#)
- [Information on armor](#)
- [Ordering Information](#)

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Specifications are subject to change without notice.