

# HandyForm-II (solid dielectric) Cable

## Cable Type 167A (422-800-3A)

Frequency Range: DC - 36.00 GHz

General		
Cabel Model No.	422-800-3A	
Cable Code for Cable Assemblies	167A	
Max. Operating Frequency (GHz)	36.00	
Mechanical		
Outer Diameter	inches	0.1620"
	mm	4.12
Outer Conductor Construction	Seamless Aluminum, tin-plated + FEP Jacket	
Dielectric Material	solid PTFE	
Dielectric Dia. (mm)	2.99	
Dielectric Constant	2.0	
Center Conductor Material	copper clad steel	
Center Conductor Finish	silver-plated	
Center Conductor Dia. (mm)	0.92	
Weight (grams/m)	37.00	
Safe Bending Radius for a 360° bend with proper tooling (mm)	6.35	
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)	5.00	
Max. Operating Voltage (KV <sub>rms</sub> @ 60 Hz and sea level)	1.90	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.28
	1.00 GHz	0.41
	5.00 GHz	1.05
	10.00 GHz	1.55
	18.00 GHz	2.20
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	680.00
	1.00 GHz	450.00
	5.00 GHz	170.00
	10.00 GHz	120.00
	18.00 GHz	74.00
Environmental		
Operating Temperature Range (°C)	-54 to +110	

### Characteristics:

### Additional Information:

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

Spectrum Elektrotechnik GmbH | Olschewskibogen 1 | 80935 Munich, Germany

🌐 [www.spectrum-et.com](http://www.spectrum-et.com) | ✉ [sales@spectrum-et.com](mailto:sales@spectrum-et.com) | 📞 +49 (0)89 / 354 804-0 | 📠 +49 (0)89 / 354 804-90

Specifications are subject to change without notice.