

HandyForm-II (low-density dielectric) Cable

Cable Type 141L (422-900-3)

Frequency Range: DC - 38.00 GHz

General		
Cabel Model No.	422-900-3	
Cable Code for Cable Assemblies	141L	
Max. Operating Frequency (GHz)	38.00	
Mechanical		
Outer Diameter	inches	0.1410"
	mm	3.58
Outer Conductor Construction	Copper/Tin	
Dielectric Material	low-density PTFE	
Dielectric Dia. (mm)	3.05	
Dielectric Constant	1.5	
Center Conductor Material	copper	
Center Conductor Finish	silver-plated	
Center Conductor Dia. (mm)	1.16	
Weight (grams/m)	42.00	
Safe Bending Radius for a 360° bend with proper tooling (mm)	15.90	
Electrical		
Impedance (Ohms @ sea level and +25°C)	50 ± 1	
Velocity of Propagation (% , ±2 %)	83.00	
Capacitance (pF/m)	85.90	
Dielectric Strength (KV _{rms} @ 60 Hz)	5.00	
Max. Operating Voltage (KV _{rms} @ 60 Hz and sea level)	1.00	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.17
	1.00 GHz	0.25
	5.00 GHz	0.62
	10.00 GHz	0.92
	18.00 GHz	1.31
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	1400.00
	1.00 GHz	900.00
	5.00 GHz	300.00
	10.00 GHz	200.00
	18.00 GHz	110.00
Environmental		
Operating Temperature Range (°C)	-65 to +200	

Characteristics:

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Additional Information:

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

Spectrum Elektrotechnik GmbH | Olschewskibogen 1 | 80935 Munich, Germany

✉ www.spectrum-et.com | ✉ sales@spectrum-et.com | ☎ +49 (0)89 / 354 804-0 | 📠 +49 (0)89 / 354 804-90

Specifications are subject to change without notice.