

HandyForm-II (solid dielectric) Cable

Cable Type 146 (422-130-3)

Frequency Range: DC - 110.00 GHz

General		
Cabel Model No.	422-130-3	
Cable Code for Cable Assemblies	146	
Max. Operating Frequency (GHz)	110.00	
Mechanical		
Outer Diameter	inches	0.0470"
	mm	1.19
Outer Conductor Construction	Seamless Aluminum, tin-plated	
Dielectric Material	solid PTFE	
Dielectric Dia. (mm)	0.94	
Dielectric Constant	2.0	
Center Conductor Material	copper clad steel	
Center Conductor Finish	silver-plated	
Center Conductor Dia. (mm)	0.29	
Weight (grams/m)	7.00	
Safe Bending Radius for a 360° bend with proper tooling (mm)	1.50	
Electrical		
Impedance (Ohms @ sea level and +25°C)	50 ± 1	
Velocity of Propagation (%, ±2 %)	69.90	
Capacitance (pF/m)	105.00	
Dielectric Strength (KV _{rms} @ 60 Hz)	2.00	
Max. Operating Voltage (KV _{rms} @ 60 Hz and sea level)	1.00	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.81
	1.00 GHz	1.15
	5.00 GHz	2.80
	10.00 GHz	4.60
	18.00 GHz	6.50
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	50.00
	1.00 GHz	32.00
	5.00 GHz	12.00
	10.00 GHz	8.00
	18.00 GHz	5.50
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 | ✉ sales@spectrum-et.com | 📞 +49 (0)89 / 354 804-0 | 📠 +49 (0)89 / 354 804-90

Specifications are subject to change without notice.