

High Performance Flexible Cable

Cable Type C141

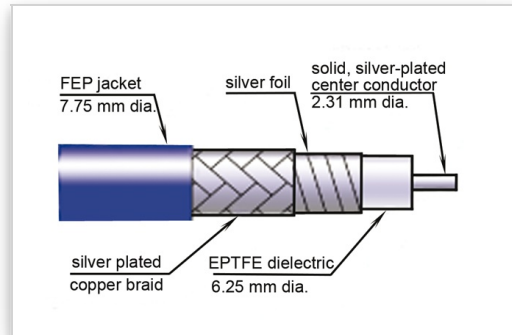
Ultimate Performance
DC - 6.00 GHz

Specifications

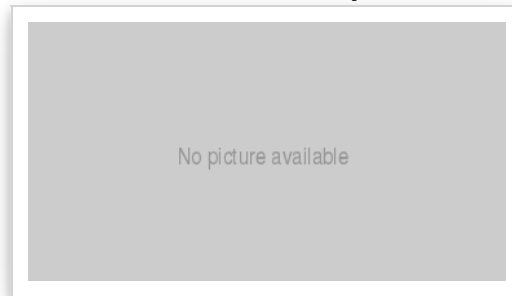
Cable Code	Standard	C141
	Armored	C141x
Frequency Range	DC - 6.00 GHz	
Outer Diameter [mm]	7.75	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	83.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	2.00 GHz	0.21
	4.00 GHz	0.30
	6.00 GHz	0.37
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	2.00 GHz	1100.00
	4.00 GHz	700.00
	6.00 GHz	600.00
	8.00 GHz	500.00
	12.00 GHz	400.00
	14.00 GHz	380.00
	16.00 GHz	350.00
	18.00 GHz	340.00
RF Leakage @ 9.5 GHz	>100 @ 18.0 GHz dBc	
Operating Temperature Range	-65 to +165	
Center Conductor	Material	Stranded Copper, silver-plated
	Diameter [mm]	2.30
Dielectric	Material	Low-density EPTFE
	Diameter [mm]	6.25
	Dielectric Constant	1.5
Outer Conductor Construction	silver-plated copper foil, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	130.00	
Connector Retention Force [N]	130.00	
Minimum Bend Radius, Inside, Static [mm]	40.00	
Minimum Bend Radius, Inside, Dynamic [mm]	450.00	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



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.