High Performance Flexible Cable

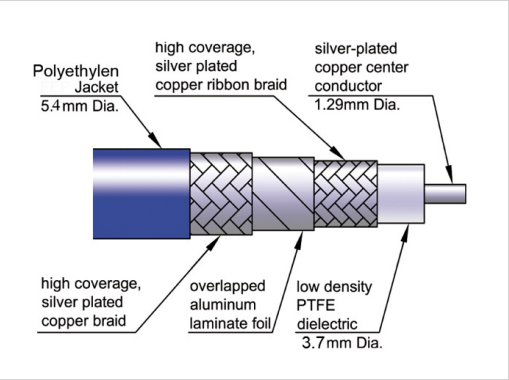
Cable Type 10J

Low loss, Low Cost, High Performance
DC - 26.50 GHz

Specifications			
Cable Code		Standard	10J
		Armored	10Jx
Frequency Range		DC - 26.50 GHz	
Outer Diameter [mm]		5.40	
Impedance [Ohms] (@ sea level and +25°C)		50 ± 2	
Velocity of Propagation [%, ± 2%]		75.00	
Capacitance [pF/m]		89.00	
Dielectric Strength (60 Hz) [KV rms]		6.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]		1.50	
Nominal Insertion Loss vs. Frequency [dB/m]		0.50 GHz	0.16
		2.00 GHz	0.35
		5.00 GHz	0.58
		10.00 GHz	0.86
		18.00 GHz	1.20
		26.50 GHz	1.48
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]		0.50 GHz	1133.00
		1.00 GHz	750.00
		2.00 GHz	496.00
		5.00 GHz	288.00
		10.00 GHz	190.00
		18.00 GHz	134.00
		26.50 GHz	108.00
RF Leakage @ 9.5 GHz		-90 @ 18.0 GHz dbC	
Operating Temperature Range		-54 to +150	
Center Conductor	Material	Solid Copper, silver-plated	
	Diameter [mm]	1.29	
Dielectric	Material	low-density PTFE	
	Diameter [mm]	3.70	
	Dielectric Constant	1.6	
Outer Conductor Construction		Copper ribbon braid, overlapping Aluminum Film, silver-plated copper braid	
Outer Jacket		Polyethylene	
Weight [grams/m]		66.00	
Connector Retention Force [N]		140.00	
Minimum Bend Radius, Inside, Static [mm]		26.00	
Minimum Bend Radius, Inside, Dynamic [mm]		54.00	

Characteristics:

Cross Section View:



Attenuation & Power Graph:

No picture available

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.