

High Performance Flexible Cable

Cable Type 10S

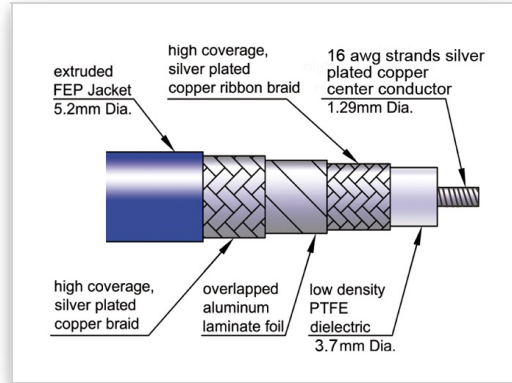
Low loss, Low Cost, High Performance
DC - 26.50 GHz

Specifications

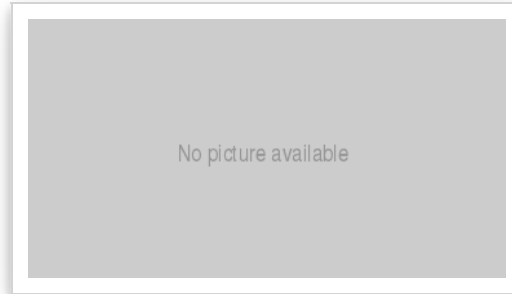
Cable Code	Standard	10S
	Armored	10Sx
Frequency Range	DC - 26.50 GHz	
Outer Diameter [mm]	5.20	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	75.00	
Capacitance [pF/m]	89.00	
Dielectric Strength (60 Hz) [KV rms]	6.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	1.50	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.17
	2.00 GHz	0.38
	5.00 GHz	0.61
	10.00 GHz	0.92
	18.00 GHz	1.27
	26.50 GHz	1.60
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz	1050.00
	1.00 GHz	680.00
	2.00 GHz	430.00
	5.00 GHz	260.00
	10.00 GHz	170.00
	18.00 GHz	124.00
	26.50 GHz	100.00
RF Leakage @ 9.5 GHz	-90 @ 18.0 GHz dBc	
Operating Temperature Range	-54 to +150	
Center Conductor	Material	16 awg strands of silver-plated copper
	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	FEP	
Weight [grams/m]	75.00	
Connector Retention Force [N]	140.00	
Minimum Bend Radius, Inside, Static [mm]	25.00	
Minimum Bend Radius, Inside, Dynamic [mm]	50.00	

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.