

High Performance Flexible Cable

Cable Type S41

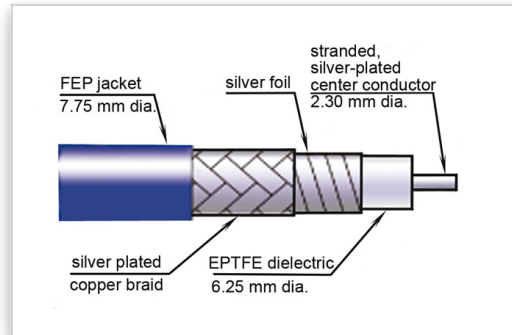
Ultimate Performance
DC - 18.00 GHz

Specifications

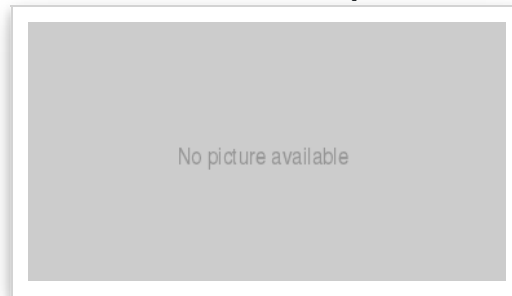
Cable Code	Standard	S41
	Armored	S41x
Frequency Range	DC - 18.00 GHz	
Outer Diameter [mm]	7.75	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	83.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	2.00 GHz	0.27
	4.00 GHz	0.39
	6.00 GHz	0.47
	8.00 GHz	0.55
	12.00 GHz	0.68
	14.00 GHz	0.71
	16.00 GHz	0.80
	18.00 GHz	0.85
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	Solid 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]	30.00	
Minimum Bend Radius, Inside, Dynamic [mm]	400.00	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.