

High Performance Flexible Cable

Cable Type S02

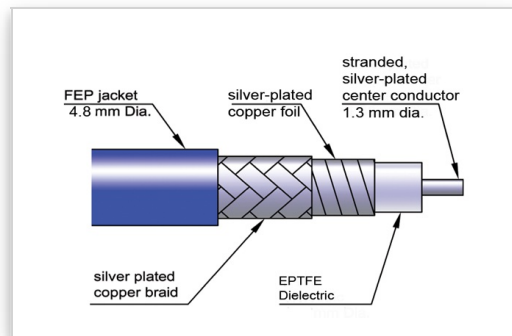
Ultimate Performance
DC - 31.00 GHz

Specifications

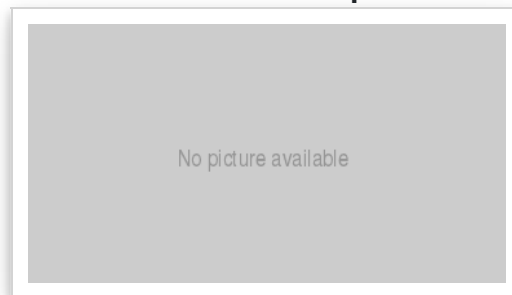
Cable Code	Standard	S02
	Armored	S02x
Frequency Range	DC - 31.00 GHz	
Outer Diameter [mm]	4.80	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	83.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	2.00 GHz	0.42
	4.00 GHz	0.60
	6.00 GHz	0.75
	8.00 GHz	0.86
	12.00 GHz	1.10
	18.00 GHz	1.35
	26.50 GHz	1.65
	31.00 GHz	1.75
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	2.00 GHz	490.00
	4.00 GHz	360.00
	6.00 GHz	290.00
	8.00 GHz	260.00
	12.40 GHz	190.00
	18.00 GHz	175.00
	26.50 GHz	150.00
	31.00 GHz	135.00
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]	1.30
Dielectric	Material	Low-density EPTFE
	Diameter [mm]	3.60
	Dielectric Constant	1.5
Outer Conductor Construction	silver-plated copper foil, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	54.00	
Connector Retention Force [N]	130.00	
Minimum Bend Radius, Inside, Static [mm]	15.00	
Minimum Bend Radius, Inside, Dynamic [mm]	80.00	

Characteristics:

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.