

# High Performance Flexible Cable

## Cable Type 103

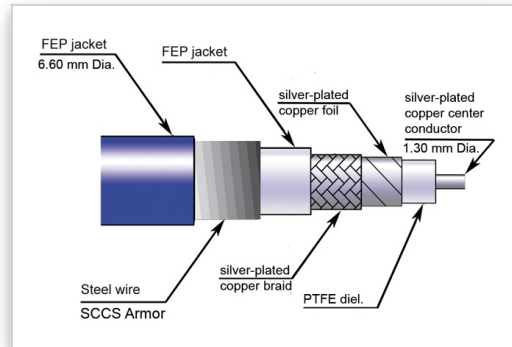
Ultimate Performance  
DC - 32.00 GHz

### Specifications

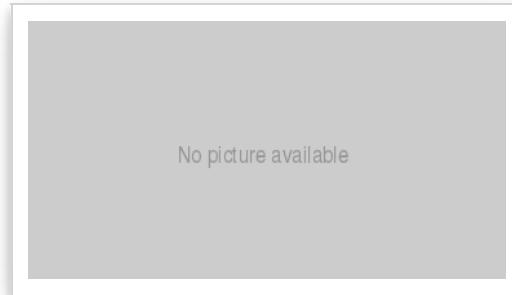
Cable Code	Standard	103
	Armored	Armored
Frequency Range	DC - 32.00 GHz	
Outer Diameter [mm]	6.60	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	83.00	
Capacitance [pF/m]	79.00	
Dielectric Strength (60 Hz) [KV rms]	-	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	-	
Nominal Insertion Loss vs. Frequency [dB/m]	2.00 GHz	0.38
	4.00 GHz	0.53
	6.00 GHz	0.66
	8.00 GHz	0.77
	12.00 GHz	0.95
	18.00 GHz	1.20
	26.50 GHz	1.50
	31.00 GHz	1.58
	32.00 GHz	1.62
Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	2.00 GHz	550.00
	4.00 GHz	400.00
	6.00 GHz	320.00
	8.00 GHz	290.00
	12.40 GHz	215.00
	18.00 GHz	195.00
	26.50 GHz	170.00
	31.00 GHz	155.00
	32.00 GHz	150.00
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]	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]	130.00	
Connector Retention Force [N]	130.00	
Minimum Bend Radius, Inside, Static [mm]	20.00	
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.