

High Performance Flexible Cable

Cable Type 43

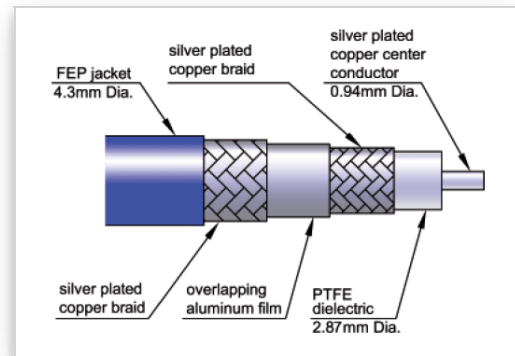
DC - 26.50 GHz

Specifications		
Cable Code	Standard	43
	Armored	43x
Frequency Range	DC - 26.50 GHz	
Outer Diameter [mm]	4.30	
Impedance [Ohms] (@ sea level and +25°C)	50 ± 2	
Velocity of Propagation [% , ± 2%]	72.00	
Capacitance [pF/m]	93.50	
Dielectric Strength (60 Hz) [KV rms]	5.00	
Max. Operating Voltage (60 Hz, @ sea level) [KV rms]	0.70	
Nominal Insertion Loss vs. Frequency [dB/m]	0.50 GHz	0.30
	2.00 GHz	0.63
	4.00 GHz	0.93
	8.00 GHz	1.36
	12.40 GHz	1.69
	18.00 GHz	2.12
	26.50 GHz	2.60
	Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts]	0.50 GHz
2.00 GHz		344.00
4.00 GHz		227.00
8.00 GHz		150.00
12.40 GHz		118.00
18.00 GHz		93.00
26.50 GHz		75.00
RF Leakage @ 9.5 GHz		-90 @ 18.0 GHz dbc
Operating Temperature Range	-54 to +125	
Center Conductor	Material	Solid Copper, silver-plated
	Diameter [mm]	0.94
Dielectric	Material	low-density PTFE
	Diameter [mm]	2.87
	Dielectric Constant	1.9
Outer Conductor Construction	silver-plated copper braid, Aluminum Film, silver-plated copper braid	
Outer Jacket	FEP	
Weight [grams/m]	45.00	
Connector Retention Force [N]	140.00	
Minimum Bend Radius, Inside, Static [mm]	26.00	
Minimum Bend Radius, Inside, Dynamic [mm]	55.00	

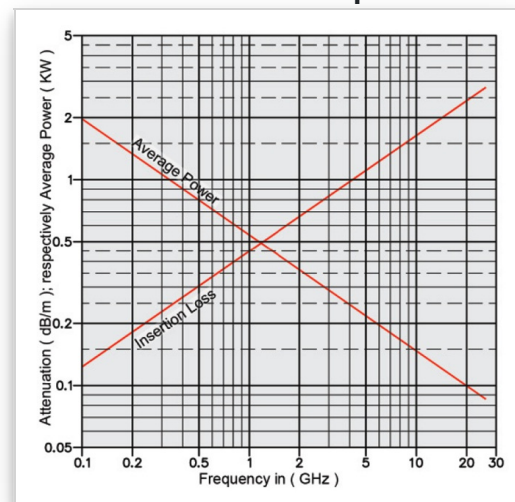
Characteristics:

- Excellent Performance to 26.5 GHz
- Meeting the very highest quality standard as needed for crucial applications in harsh environment
- Procurement for completely terminated assemblies, fully tested. The test documentation for VSWR and Insertion Loss will be supplied with the cable assembly
- Available Connectors: 2.4 mm, 2.92 mm, 3.5 mm, 7 mm, N, SMA, SBX, SBY, BQ-, CQ-, IQ-, RQ-, SQ-, TQ-Series and TNC

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.