

LLC-MLD5.0D FEP**Low Loss Microwave Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	SPC	1.92 mm (0.076 inch)	Silver Plated Copper Solid Wire
Dielectric	LD PTFE	5.64 mm (0.222 inch)	Low Density PTFE
Outer Shield	TC Braid & Tin Soaked	6.55 mm (0.258 inch)	100% Coverage
Jacket	FEP	7.20 mm (0.283 inch)	Blue

Electrical & Mechanical Data

Impedance	50 Ω
Frequency Range	18 GHz (Max.)
Velocity of Propagation	75 %
Capacitance	89 pF/m
Operating Temperature	- 55 °C ~ 165 °C
Shield Effectiveness	> -100 dB
Working Voltage	3,000 Vrms (Max.)
Min. Bending Radius	50 mm (Single)

Attenuation

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
1.0	0.24	0.073
2.0	0.37	0.113
3.0	0.48	0.146
5.8	0.65	0.198
10.0	1.01	0.308