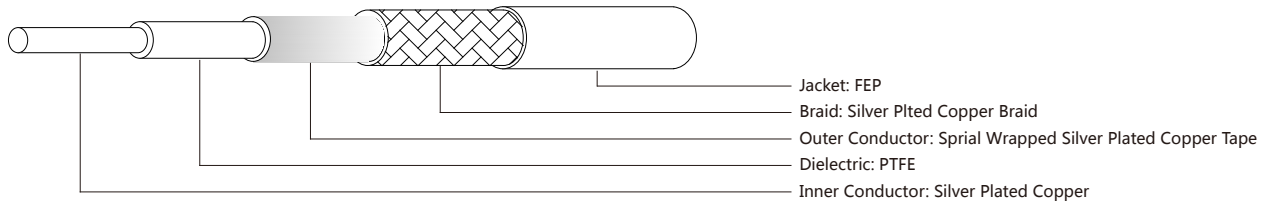


AFLEX Series Cable



Mechanical Characteristics

Cable Type	AFLEX-086		AFLEX-141		AFLEX-250	
	MM	INCH	MM	INCH	MM	INCH
Inner Conductor	0.51	0.020	0.91	0.036	1.63	0.064
Dielectric	1.63	0.064	3.00	0.118	5.28	0.208
Outer Conductor+Braid	2.16	0.085	3.58	0.141	6.32	0.249
Jacket	2.64	0.104	4.06	0.160	6.90	0.270
Min. Static Bend Radius	6.4	0.25	6.4	0.25	6.4	0.25
Weight	22 g/m	0.015 lbs/ft	49 g/m	0.033 lbs/ft	142 g/m	0.095 lbs/ft
Temperature Range(°C)	-65 to +125		-65 to +125		-65 to +125	

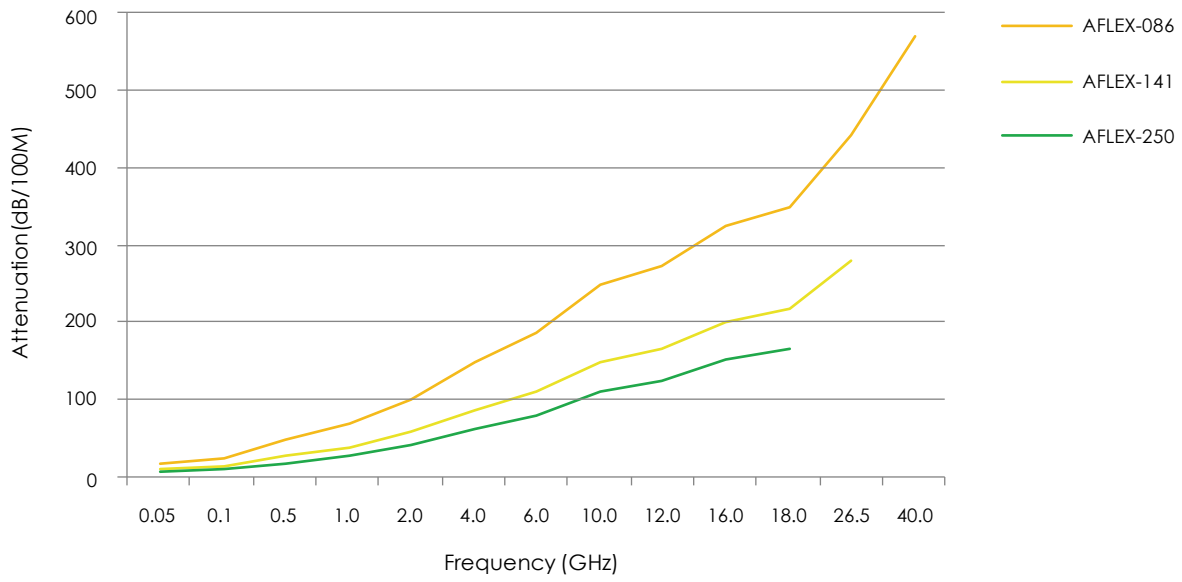
Electrical Characteristics

Cable Type	AFLEX-086		AFLEX-141		AFLEX-250	
	50 Ohms		50 Ohms		50 Ohms	
Impedance	50 Ohms		50 Ohms		50 Ohms	
Capacitance	96.1 pF/m	29.3pF/Ft	96.1 pF/m	29.3pF/Ft	96.1 pF/m	29.3pF/Ft
Velocity of Propagation	70%		70%		70%	
Cut-off Frequency	61.87 GHz		33.86 GHz		19.16 GHz	

Attenuation(Typ.) & Average Power @ 20°C and Seal Level(Max.)

Frequency(GHz)	AFLEX-086		AFLEX-141		AFLEX-250	
	dB/100m	W	dB/100m	W	dB/100m	W
0.05	14.75	560	7.87	1386	4.92	3010
0.1	20.98	390	11.15	980	7.21	2095
0.5	48.20	173	26.23	418	17.38	885
1.0	69.18	121	38.03	290	25.57	595
2.0	100.00	85	56.07	198	38.69	394
4.0	146.23	59	84.26	132	61.64	257
6.0	183.61	47	107.54	105	77.05	198
10.0	245.90	36	147.54	78	108.20	136
12.0	273.44	33	165.90	69	122.62	120
16.0	324.26	28	199.67	58	150.16	102
18.0	347.87	26	216.07	54	163.93	88
26.5	440.66	21	280.33	41	----	----
40.0	570.49	17	----	----	----	----

Attenuation(Typ) vs. Frequency



Average Power(Max.) vs. Frequency

