



Features	Applications
Operating frequency up to 40GHz	Missile
Strand conductor super flexible	Vehicle&shipboard communication
Superior shielding effectiveness(>90dB)	Military/commercial antenna
Resistant to harsh environment	Military/commercial base station
	Any small or complex space

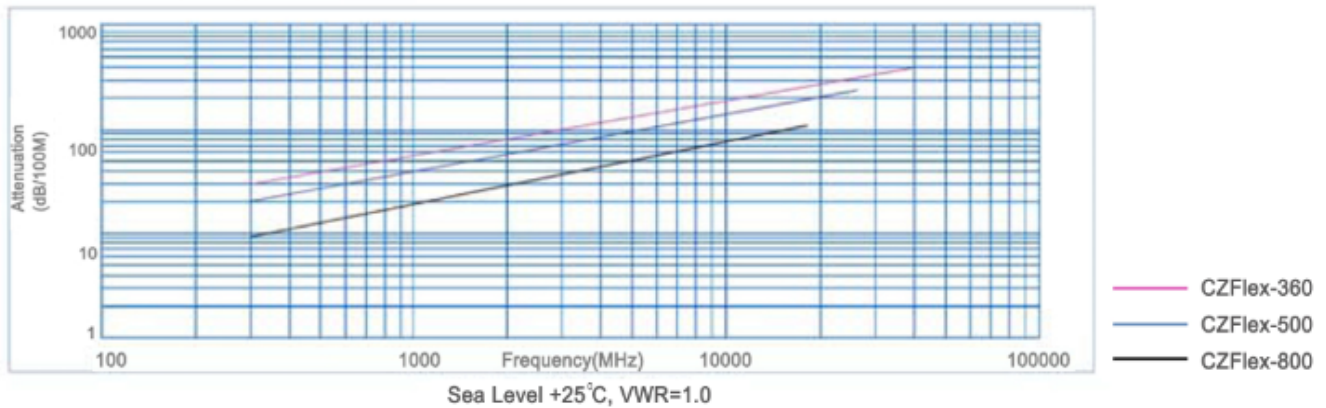
Construction

Structure	Material	CZFflex-360	CZFflex-500	CZFflex-800
Center Conductor(mm)	Silver Plated Copper	0.72	1.02	1.88
Dielectric (mm)	LD PTFE	2.10	3.07	5.50
Outer Conductor(mm)	Silver Plated Copper Tape	2.26	3.27	5.74
Overall Braid(mm)	Silver Plated Coper Braid	2.71	3.78	6.31
Jacket (mm)	Blue PUR	3.60	5.00	8.00

Specifications

Specifications	CZFflex-360	CZFLEX-500	CZFLEX-800
Operating Frequency Range(GHz)	40	26.5	18
Impedance(Ohm)	50	50	50
Vp(%)	76	76	76
Shielding Effectiveness(dB)	>90	>90	>90
Voltage Rating(V.DC)	500	1000	1700
Bend Radius:(mm)	14.40	20.00	32.00
Bend Radius:repetitive(mm)	36.00	50.00	80.00
Weight(kg/m)	0.03	0.05	0.13
Operating Temperature(°C)	-55 ~ +85	-55 ~ +85	-55 ~ +85

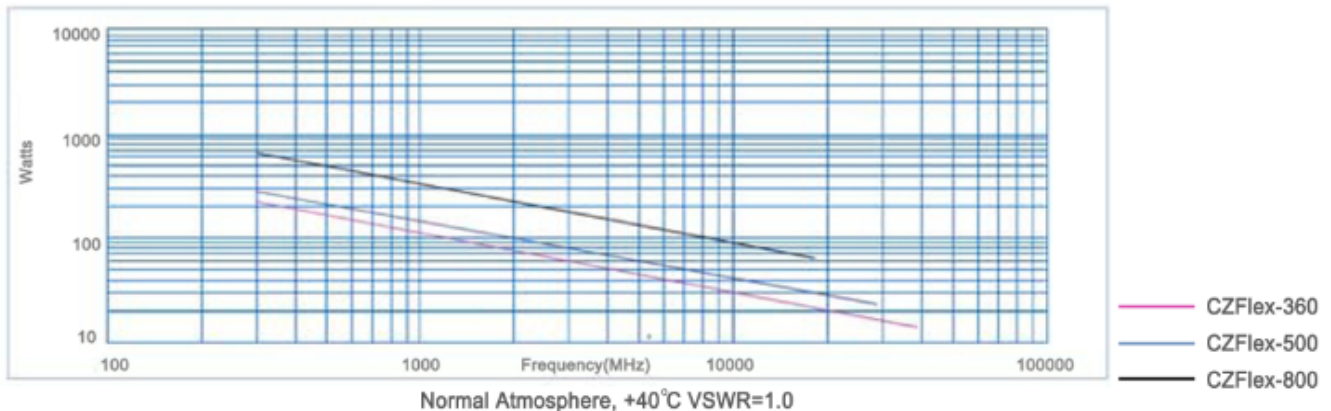
Attenuation VS. Frequency



Attenuation VS. Frequency(dB/100m)

Frequency	300	500	1000	3000	6000	8000	12400	18000	26500	35000	40000
CZFlex-360	27.96	36.30	51.86	92.12	133.45	156.03	198.66	244.88	305.54	359.35	388.83
CZFlex-500	20.45	26.68	38.47	69.84	103.22	121.90	157.94	198.03	252.07		
CZFlex-800	9.50	12.45	18.16	33.75	50.91	60.72	80.00	101.91			

CW Power Handling VS. Frequency



CW Power Handling VS. Frequency(KW)

Frequency	300	500	1000	3000	6000	8000	12400	18000	26500	35000	40000
CZFlex-360	0.22	0.17	0.12	0.07	0.05	0.04	0.03	0.03	0.02	0.017	0.016
CZFlex-500	0.28	0.22	0.15	0.08	0.06	0.05	0.04	0.03	0.02		
CZFlex-800	0.63	0.48	0.33	0.18	0.12	0.10	0.07	0.06			

Connectors

Cable	SMA-M	SMA-M 90	N-M	N-M 90	TNC-M	SSMA-M	N-F	SMA-F	SMP-F
CZFlex-360	x	x	x	-	x	x	x	-	x
CZFlex-500	x	x	x	-	-	-	-	-	-
CZFlex-800	x	-	x	x	x	-	-	x	-