

## 7/8 in Aluminum Coaxial Cable



Product Code		
CC-78A		
Construction Material		
Inner Conductor	Material	Copper tube
	Diameter mm	9.40 ± 0.10
Insulation	Material	Foam PE
	Diameter mm	22.80 ± 0.25
Outer Conductor	Material	Corrugated aluminum tube
	Diameter mm	25.30 ± 0.25
Jacket	Material	LLDPE
	Color	Black
	Diameter mm	27.50 ± 0.25
Mechanical Specification		
Bend Radius mm	Single bend	120
	Repeated bend	250
Tensile Strength N		1450
Cable Weight kg/km		380
Recommended Temperature °C	Storage	-70~+85/-30~+80(LSZH)
	Installation	-40~+60/-25~+60(LSZH)
	Operating	-55~+85/-30~+80(LSZH)

Electrical Specification		
Impedance	50 ohm $\pm$ 2.0 ohm	
Capacitance	77 pF/m	
Velocity	90 %	
Insulation Resistance	10000 M $\Omega$ /km	
Peak Power	91 kW	
Peak Voltage	8000 V	
Cut-off Frequency	5.2 GHz	
Attenuation and Average power		
Maximum attenuation value shall be 105% of the nominal attenuation value		
Frequency MHz	Attenuation @20°C dB/100m	Average Power kW
200	1.82	4.83
450	2.79	2.88
800	3.75	2.09
1000	4.28	1.92
1500	5.30	1.55
1800	5.98	1.35
2000	6.20	1.30
2200	6.64	1.26
2500	7.08	1.20
3000	7.98	1.08
V.S.W.R.		
Frequency Band	VSWR	
800MHz~1000MHz	$\leq$ 1.15	
1700MHz~2200MHz	$\leq$ 1.20	
2200MHz~2700MHz	$\leq$ 1.20	