

## 7/8 in Al Coaxial Cable



<b>Product Code</b>		
CC-78A		
<b>Construction Material</b>		
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
<b>Mechanical Specification</b>		
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