

1/2 in Aluminum Coaxial Cable



Product Code		
CC-12A		
Construction Material		
Inner Conductor	Material	Copper-clad aluminum
	Diameter mm	4.80 ± 0.05
Insulation	Material	Foam PE
	Diameter mm	12.20 ± 0.25
Outer Conductor	Material	Corrugated aluminum tube
	Diameter mm	13.90 ± 0.15
Jacket	Material	LLDPE
	Color	Black
	Diameter mm	15.70 ± 0.20
Mechanical Specification		
Bend Radius mm	Single bend	70
	Repeated bend	125
Tensile Strength N		1130
Cable Weight kg/km		170
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	86 %	
Insulation Resistance	10000 M Ω /km	
Peak Power	40 kW	
Peak Voltage	6000 V	
Cut-off Frequency	10 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	3.35	2.45
450	5.15	1.59
800	6.93	1.17
1000	7.76	1.05
1500	9.12	0.89
1800	10.62	0.76
2000	11.22	0.72
2200	11.81	0.67
2500	12.62	0.62
3000	13.93	0.53
V.S.W.R.		
Frequency Band	VSWR	
800MHz~1000MHz	\leq 1.18	
1700MHz~2200MHz	\leq 1.20	
2200MHz~2700MHz	\leq 1.20	