

## 1 1/4 in RF Coaxial Cable - LSZH Jacket



<b>Product Code</b>		
CC-114F		
<b>Construction Material</b>		
Inner Conductor	Material	Copper
	Diameter mm	13.10 ± 0.10
Insulation	Material	Foam PE
	Diameter mm	32.50 ± 0.25
Outer Conductor	Material	Corrugated copper
	Diameter mm	35.70 ± 0.30
Jacket	Material	LSZH
	Color	Black
	Diameter mm	38.80 ± 0.30
<b>Mechanical Specification</b>		
Bend Radius mm	Single bend	200
	Repeated bend	380
Tensile Strength N		2500
Cable Weight kg/km		880
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 $\pm$ 1.5 ohm	
Capacitance	77 pF/m	
Velocity	87%	
Insulation Resistance	10000 M $\Omega$ /km	
Peak Power	205 kW	
Peak Voltage	4300 V	
Cut-off Frequency	3.7 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	1.29	8.12
450	1.99	5.22
800	2.76	3.78
1000	3.15	3.32
1500	4.03	2.62
1800	4.45	2.35
2000	4.75	2.21
2200	5.12	2.21
2500	5.45	1.92
3000	6.08	1.72
V.S.W.R.		
Frequency Band	VSWR	
800MHz~1000MHz	$\leq$ 1.15	
1700MHz~2200MHz	$\leq$ 1.20	
2200MHz~2700MHz	$\leq$ 1.20	