

## 7/8 in RF Coaxial Cable - LSZH Jacket



<b>Product Code</b>		
CC-78F		
<b>Construction Material</b>		
Inner Conductor	Material	Copper
	Diameter mm	9.10 ± 0.10
Insulation	Material	Foam PE
	Diameter mm	22.70 ± 0.20
Outer Conductor	Material	Corrugated copper
	Diameter mm	24.90 ± 0.25
Jacket	Material	LSZH
	Color	Black
	Diameter mm	27.50 ± 0.25
<b>Mechanical Specification</b>		
Bend Radius mm	Single bend	120
	Repeated bend	250
Tensile Strength N		1400
Cable Weight kg/km		410
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	76 pF/m
Velocity	88%
Insulation Resistance	10000 M $\Omega$ /km
Peak Power	90 kW
Peak Voltage	3200 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	1.72	5.26
450	2.65	3.41
800	3.63	2.48
1000	4.12	2.19
1500	5.18	1.74
1800	5.75	1.57
2000	6.11	1.48
2200	6.46	1.40
2500	6.95	1.30
3000	7.76	1.16

### V.S.W.R.

Frequency Band	VSWR
800MHz~1000MHz	$\leq$ 1.15
1700MHz~2200MHz	$\leq$ 1.20
2200MHz~2700MHz	$\leq$ 1.20