

## 7/8 in RF Feeder Cable



Product Code		
CC-78		
Construction Material		
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	LLDPE
	Color	Black
	Diameter mm	27.50 ± 0.25
Mechanical Specification		
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	