

## 1/2 in RF Feeder Cable



<b>Product Code</b>		
CC-12		
<b>Construction Material</b>		
Inner Conductor	Material	Copper-clad aluminum
	Diameter mm	4.80 ± 0.05
Insulation	Material	Foam PE
	Diameter mm	12.30 ± 0.15
Outer Conductor	Material	Corrugated copper
	Diameter mm	13.80 ± 0.15
Jacket	Material	LLDPE
	Color	Black
	Diameter mm	15.70 ± 0.20
<b>Mechanical Specification</b>		
Bend Radius mm	Single bend	70
	Repeated bend	125
Tensile Strength N		1050
Cable Weight kg/km		210
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	40 kW
Peak Voltage	1800 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	3.10	2.44
450	4.75	1.59
800	6.46	1.17
1000	7.28	1.04
1500	9.09	0.84
1800	10.10	0.75
2000	10.70	0.71
2200	11.25	0.68
2500	12.10	0.62
3000	13.40	0.56

### V.S.W.R.

Frequency Band	VSWR
800MHz~1000MHz	$\leq 1.13$
1700MHz~2200MHz	$\leq 1.13$
2200MHz~2700MHz	$\leq 1.15$