

1 1/4 in RF Feeder Cable



Product Code		
CC-114		
Construction Material		
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	LLDPE
	Color	Black
	Diameter mm	38.80 ± 0.30
Mechanical Specification		
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 Ω /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