

## 1/2 in Superflex RF Feeder Cable



<b>Product Code</b>		
CC-12S		
<b>Construction Material</b>		
Inner Conductor	Material	Copper-clad aluminum
	Diameter mm	3.60 ± 0.05
Insulation	Material	Foam PE
	Diameter mm	9.20 ± 0.15
Outer Conductor	Material	Corrugated copper
	Diameter mm	12.10 ± 0.15
Jacket	Material	LLDPE
	Color	Black
	Diameter mm	13.40 ± 0.20
<b>Mechanical Specification</b>		
Bend Radius mm	Single bend	17
	Repeated bend	55
Tensile Strength N		750
Cable Weight kg/km		185
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	82 pF/m	
Velocity	83%	
Insulation Resistance	10000 M $\Omega$ /km	
Peak Power	16 kW	
Peak Voltage	1400 V	
Cut-off Frequency	13 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	4.91	2.14
450	7.59	1.38
800	10.40	1.01
1000	11.80	0.89
1500	14.90	0.70
1800	16.60	0.63
2000	17.60	0.59
2200	18.27	0.56
2500	19.20	0.52
3000	22.40	0.46
V.S.W.R.		
Frequency Band	VSWR	
800MHz~1000MHz	$\leq$ 1.13	
1700MHz~2200MHz	$\leq$ 1.13	
2200MHz~2700MHz	$\leq$ 1.15	