

1 5/8 in RF Coaxial Cable



Product Code		
CC-158		
Construction Material		
Inner Conductor	Material	Copper
	Diameter mm	17.30 ± 0.20
Insulation	Material	Foam PE
	Diameter mm	42.70 ± 0.30
Outer Conductor	Material	Corrugated copper
	Diameter mm	46.50 ± 0.30
Jacket	Material	LLDPE
	Color	Black
	Diameter mm	49.60 ± 0.30
Mechanical Specification		
Bend Radius mm	Single bend	280
	Repeated bend	500
Tensile Strength N		3000
Cable Weight kg/km		1010
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	78 pF/m
Velocity	88%
Insulation Resistance	10000 M Ω /km
Peak Power	310 kW
Peak Voltage	5600 V
Cut-off Frequency	3 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	0.99	11.30
450	1.59	7.18
800	2.29	5.15
1000	2.54	4.52
1500	3.29	3.54
1800	3.66	3.17
2000	3.95	2.96
2200	4.20	2.87
2500	4.58	2.58
3000	4.72	2.40

V.S.W.R.

Frequency Band	VSWR
800MHz~1000MHz	≤ 1.20
1700MHz~2200MHz	≤ 1.20
2200MHz~2700MHz	≤ 1.20