

7/8 in Low Loss RF Coaxial Cable



Product Code		
CC-78L		
Construction Material		
Inner Conductor	Material	Copper
	Diameter mm	9.40 ± 0.10
Insulation	Material	Foam PE
	Diameter mm	22.80 ± 0.25
Outer Conductor	Material	Corrugated copper
	Diameter mm	25.40 ± 0.25
Jacket	Material	LLDPE
	Color	Black
	Diameter mm	27.50 ± 0.25
Mechanical Specification		
Bend Radius mm	Single bend	150
	Repeated bend	275
Tensile Strength N		1700
Cable Weight kg/km		445
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	75 pF/m
Velocity	86%
Insulation Resistance	10000 M Ω /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	1.70	6.41
450	2.62	3.82
800	3.60	2.76
1000	3.99	2.19
1500	5.05	1.79
1800	5.55	1.76
2000	5.85	1.70
2200	6.25	1.60
2500	6.76	1.47
3000	7.50	1.21

V.S.W.R.

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