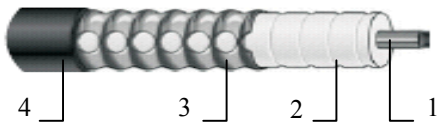
1/2" Radiating coaxial cable
CMC 50

Construction		
Inner conductor	Material	CCA
	Dia., mm	4.80
Insulation	Material	Foaming PE
Outer conductor	Material	Corrugated copper tube with slots
Jacket	Material	PE / HFFR PE
	Dia., mm	15.7

Mechanical properties		
Minimum bending radius (single), mm		125
Tensile force, N		1000
Crush resistance, kg/mm		2.0
Recommended temperature ℃ ,	Storage	-70~+85
	Installation	-40~+60
	Operation	-55~+85

Electrical properties	
Impedance,	50
Nominal capacitance, pF/m	76
Propagation velocity, %	88
DC. breakdown voltage, kVDC	4
Jacket spark voltage, kVDC	5



1:Inner conductor 2:Insulation
3:Outer conductor 4:Jacket

Figure 1: radiating coaxial cable

*The slot style in figure 1 is for reference only.

Attenuation and coupling loss		
Frequency , MHz	Nom.attenuation @20℃ , dB/100m	Coupling loss (50%) , dB
150	3.15	59
450	5.70	67
900	8.40	66
1800	13.10	68
1900	13.60	69
2200	14.70	70
2400	15.30	70
2500	15.80	70

- Maximum attenuation value may be 105% of the nominal attenuation value.
- Coupling loss may have tolerance of +/-10dB.

VSWR
≤1.3 (Nominal)

Notes：

- Attenuation and coupling loss specifications were tested with the outdoor free space method per IEC 61196.4-2004.

Specifications on this sheet are subject to change without prior notice.