

# 1/2" Radiating coaxial cable CMC 50

## Construction

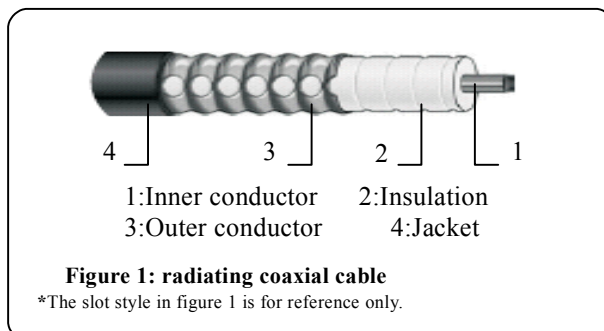
Inner conductor	Material	CCA
	Dia., mm	4.80
Insulation	Material	Foaming PE
Outer conductor	Material	Corrugated copper tube with slots
	Dia., mm	15.7
Jacket	Material	PE / HFFR PE
	Dia., mm	15.7

## Mechanical properties

Minimum bending radius (single), mm	125	
Tensile force, N	1000	
Crush resistance, kg/mm	2.0	
Recommended temperature °C	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



## Attenuation and coupling loss

Frequency , MHz	Nom.attenuation	Coupling loss
	@20°C , dB/100m	(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.