

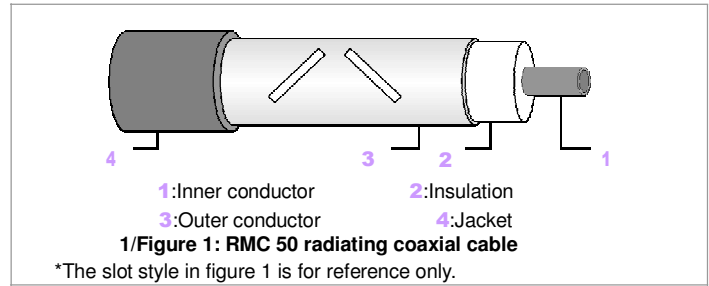
RADIATING COAXIAL CABLE

RMC 50 7/8"

CONSTRUCTION			
1	Inner conductor	Material Dia., mm	Smooth bare copper tube 8.9
2	Insulation	Material	Physically foamed PE
3	Outer conductor	Material	Overlapping copper foil with slots
4	Jacket	Material Dia., mm	PE or HFFR PE 27.3

MECHANICAL PROPERTIES		
Minimum bending radius (single), mm		280
Tensile force, N		2300
Crush resistance, kg/mm		0.8
Recommended temperature, °C	Storage	-70~+85
	Installation	-25~+60
	Operation	-50~+85
Recommended clamp spacing, m		1.5
Minimum distance to wall, cm		10

ELECTRICAL PROPERTIES	
DC resistance of inner conductor, Ω/km	1.50
DC resistance of outer conductor, Ω/km	2.00
Impedance, Ω	50±2
Nominal capacitance, pF/m	76
Propagation velocity, %	89
AC. breakdown voltage, kVAC	4.2
Jacket spark voltage, kVAC	10
Insulation resistance, MΩ • km	≥5000



ATTENUATION AND COUPLING LOSS		
Frequency, MHz	Nom. attenuation @20°C, dB/100m	Coupling loss (50%/95%), dB
150	1.51	65 / 77
450	2.78	72 / 84
900	4.54	66 / 74
1800	10.40	62 / 70
2200	12.90	61 / 69
2400	15.20	60 / 68
2500	16.50	60 / 68

VSWR
≤1.3, test in operators' frequency range.

Notes:

- Frequency bands
L: 75-500MHz
M: 800-1000MHz
H: 1700-2600MHz
- IEC61196.4-2004.

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

- 1300-1600MHz .

Because this cable is optimized for operating frequency bands using, so it is NOT fit for 1300-1600MHz frequency range.