

RMC-50-LM-12-Z

PRODUCT DESCRIPTION

- The cable is used as a distributed antenna to provide communications in tunnels, subway, mines, large building complexes, and any other application in confined areas.
- Slots in the copper outer conductor allow a controlled portion of the internal RF energy to be radiated into the surrounding environment and can be designed individually.
- With the broadband capability of 75~1000MHz, this cable is used for both one-way and two-way communication systems, and a single radiating cable can handle multiple communication systems simultaneously.



CONSTRUCTION

Inner conductor	Copper clad aluminum	Φ 4.80mm
Insulation	Physically foamed PE	Φ 12.20mm
Outer conductor	Overlapping copper foil with slots	
Jacket	Non-halogenated, fire retardant PE	Φ 15.70mm

MECHANICAL PROPERTIES

Minimum bending radius	mm	150
Tensile force	N	1300

ELECTRICAL PROPERTIES

Impedance	Ω	50±2
Capacitance	pF/m	76
Propagation velocity	%	88
DC breakdown voltage	kV	3
Insulation resistance	MΩ•km	>5000

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TRANSMISSION PROPERTIES

Frequency MHz	Nom. attenuation @20°C,dB/100m	Coupling loss(50%/95%) @20°C,dB
100	2.37	65 / 75
150	3.78	70 / 78
380	4.79	65 / 67
400	4.91	65 / 69
450	5.30	67 / 69
700	6.98	70 / 73
800	7.33	75 / 81
900	7.89	69 / 78

- Attenuation & Coupling loss specifications are measured by free space method according to IEC 61196-4-2004.
- Attenuation & coupling loss values are given with tolerances of 5% and ±5dB,respectively.

VSWR

Tested in customers' operating band ≤1.3

ENVIRONMENTAL PROPERTIES

Recommended storage temperature	°C	-30~+80
Recommended installation temperature	°C	-25~+60
Recommended operating temperature	°C	-30~+80
IEC 60332-1		Complied
IEC 60754-1		Complied
IEC 60754-2		Complied
CPR		Eca

Your dealer:



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