



Chinmore Industry Co., Ltd.

LMR-100 Cable Specification

Technical data of product				
Name of cable		Radio frequency cables with Solid polyethylene dielectric		
Type of cable		LMR-100		
Size of product				
No	Item	Structure	Material	Color
1	Inner conductor	0.45±0.02mm	Bare copper	Yellow
2	Insulation	1.50±0.10mm	LDPE	Nature
3	Binder	1.60±0.15mm	Aluminum foil	Silver gray
4	Wire braid	80*0.10mm	Tinned copper	Silver gray
5	Jacket	2.90±0.10mm	PVC	Black
Electrical physical and properties of product				
Item		Unit	Value	
Capacitance		pF/m	100±5	
Impedance		Ω	50±2	
Velocity ratio		%	66	
Bent radius min.		mm	15	
Max voltage		VMS	1500	
Max Frequency		MHz	3000	
Temperature scope		°C	-20~+80	

Attenuation of cable

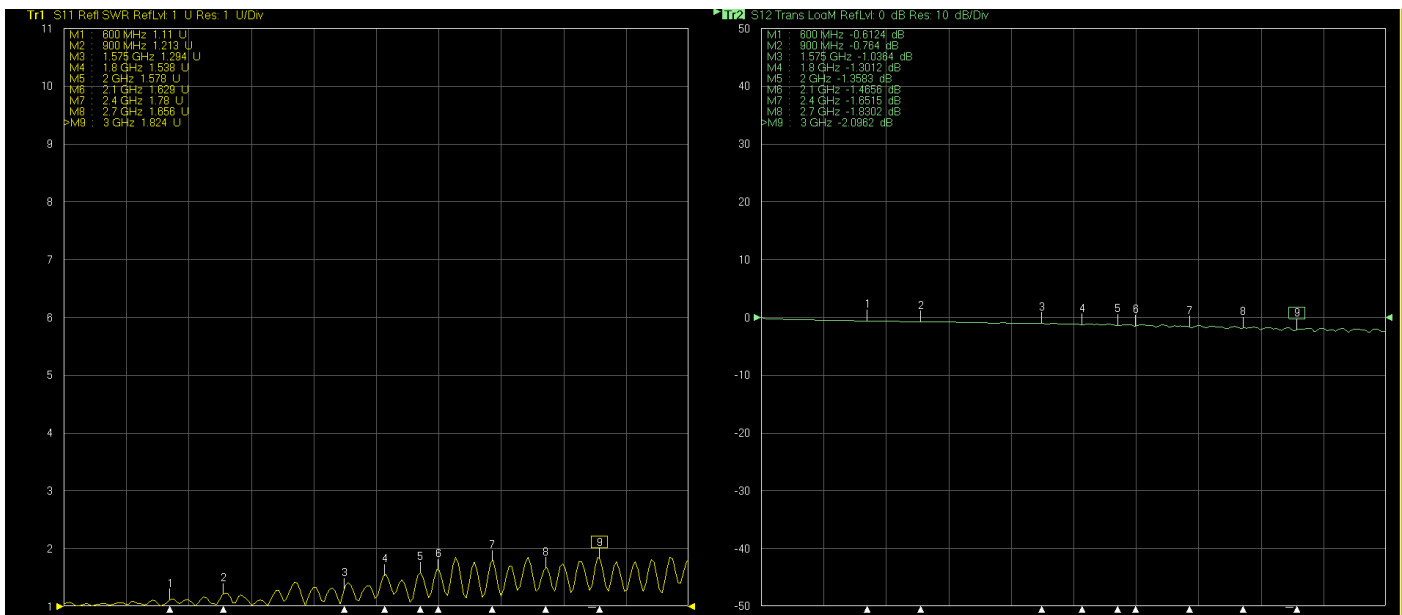
Frequency (MHz)	Attenuation(dB/1M)
600	-0.55
900	-0.67
1575	-0.90
1800	-1.10
2000	-1.04
2100	-1.16
2400	-1.41
2700	-1.38
3000	-1.89

V.S.W.R.

Frequency (MHz)	Attenuation(1M)
600	1.11
900	1.21
1575	1.29
1800	1.53
2000	1.57
2100	1.62
2400	1.78
2700	1.65
3000	1.82

Return Loss

Frequency (MHz)	Attenuation(dB/1M)
600	-0.61
900	-0.76
1575	-1.03
1800	-1.30
2000	-1.35
2100	-1.46
2400	-1.65
2700	-1.83
3000	-2.09



S21 Trans LogM RefLvl: 0 dB Res: 10 dB/Dw

M1 : 600 MHz -0.552 dB
M2 : 900 MHz -0.6754 dB
M3 : 1.575 GHz -0.9063 dB
M4 : 1.9 GHz -1.1011 dB
M5 : 2 GHz -1.0499 dB
M6 : 2.1 GHz -1.1631 dB
M7 : 2.4 GHz -1.4101 dB
M8 : 2.7 GHz -1.3947 dB
M9 : 3 GHz -1.896 dB

