



Chinmore Industry Co., Ltd.

Ø1.37 Cable Specification

Technical data of product			
Type of cable	1.37		
Item		Company	Material and size
Inner conductor	Material	/	Tinned copper wire
	Diameter of every wire	Root	7/0.102±0.003
	Outer diameter	mm	Φ0.30
Insulation	Material	/	Teflon FEP(200 degrees of fluorinated ethylene propylene resin)
	Thickness	mm	0.30
	Complete the outer diameter	mm	Φ0.90±0.05
	Color	/	Transparent color
Outer conductor	Material	/	Tinned copper wire
	Form	/	Weave
	Woven structure	%	93% (Coding 5*16/0.05mm)
	Complete the outer	mm	Φ1.14±0.05
Jacket	Material	/	Teflon FEP(200 degrees of fluorinated ethylene propylene resin)
	Thickness	mm	0.115
	Complete the outer diameter	mm	Φ1.37±0.05
	Color of sheath	/	Gray or Black(Can also be processed according to customer requirements)

The cable properties

Test project		Standard value		Note
Rated temperature/voltage		-55℃~+200℃ / 30V		/
Insulation resistance		3000MΩ . Km		Resistance tester
Conductor resistance		335Ω /Km 20℃		/
Pressure		2KV		Withstand voltage tester
Insulation	Unaged	Tensile Strength	2500 PSI MIN(1.76Kg/mm²)	
		Elongation	200% MIN	
	Aged	Tensile Strength	2500 PSI*75%(168HRS/232℃)	
		Elongation	200% MIN*75%(168HRS/232℃)	
Jacket	Unaged	Tensile Strength	2500 PSI MIN(1.76Kg/mm²)	
		Elongation	200% MIN	
	Aged	Tensile Strength	2500 PSI*75%(168HRS/232℃)	
		Elongation	200% MIN*75%(168HRS/232℃)	
Characteristic Impedance		50±3Ω		
Capacitance		95.8 PF/M		
Velocity		69%		
Propagation Delay		4.8ns/m		
Shielding attenuation		100 dB		
Bending radius		7mm		
Flame retardant		passed		

Attenuation of cable

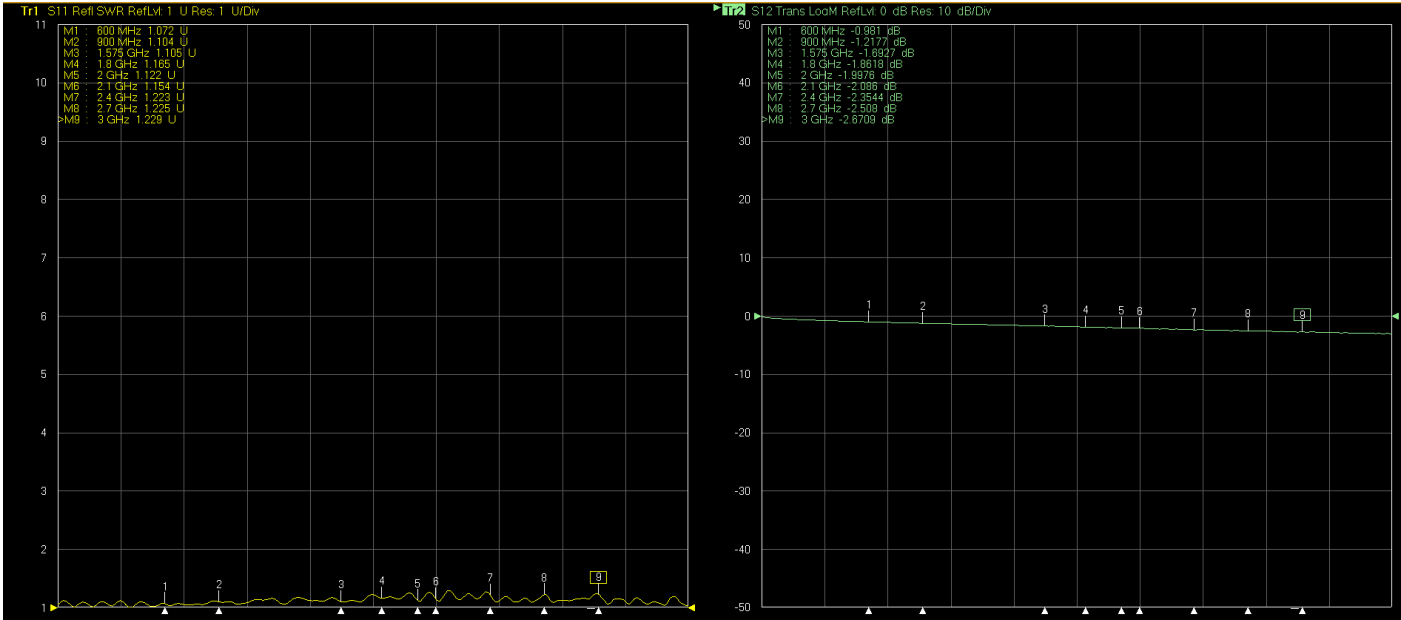
Frequency (MHz)	Attenuation(dB/1M)
600	-1.03
900	-1.28
1575	-1.78
1800	-1.93
2000	-2.13
2100	-2.22
2400	-2.45
2700	-2.74
3000	-2.81

V.S.W.R.

Frequency (MHz)	Attenuation(1M)
600	1.07
900	1.10
1575	1.10
1800	1.16
2000	1.12
2100	1.15
2400	1.22
2700	1.22
3000	1.22

Return Loss

Frequency (MHz)	Attenuation(dB/1M)
600	-0.98
900	-1.21
1575	-1.69
1800	-1.86
2000	-1.99
2100	-2.08
2400	-2.35
2700	-2.50
3000	-2.67



► **173** S21 Trans LooM RefLvl: 0 dB Res: 10 dB/Div

M1 : 600 MHz -1.0339 dB
M2 : 900 MHz -1.2868 dB
M3 : 1.575 GHz -1.7818 dB
M4 : 1.8 GHz -1.939 dB
M5 : 2 GHz -2.1357 dB
M6 : 2.1 GHz -2.2216 dB
M7 : 2.4 GHz -2.4573 dB
M8 : 2.7 GHz -2.7463 dB
M9 : 3 GHz -2.8144 dB

