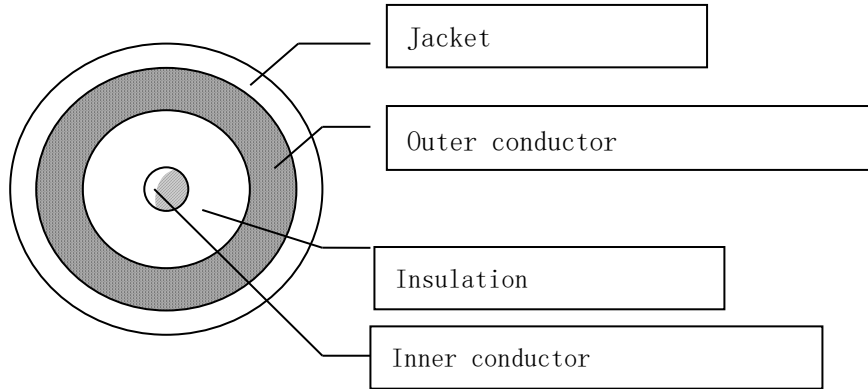


## SPECIFICATION

### 1.37 Coaxial Cable

structure diagram



#### 1 Specification of cable:

Item	Company	Materials and size
Inner conductor	Material	/
	Diameter Of every wire	/mm
	Outer diameter	mm
Insulation	Material	/
	Thickness	mm
	Complete the outer diameter	mm
	Color	/
Outer conductor	Material	/
	Form	/
	Woven structure	%
	Complete the outer diameter	mm
Jacket	Material	/
	Thickness	mm
	Complete the outer diameter	mm
	color of sheath	/

## 2. The cable properties

### Electrical properties

test project	Standard value		Note
Rated temperature / voltage	-55°C ~ +200°C / 30V		/
Insulation resistance	3000MΩ . Km		Resistance tester
Conductor resistance	335 Ω /Km 20°C		/
Pressure	2KV		Withstand voltage tester
Insulation	Unaged	Tensile Strength	2500 PSI MIN. (1.76Kg/mm <sup>2</sup> )
		Elongation	200% MIN
	Aged	Tensile Strength	2500 PSI*75% (168HRS*232°C)

		Elongation	200% MIN*75% (168HRS*232°C)
Jacket	Unaged	Tensile Strength	2500 PSI MIN. (1.76Kg/mm <sup>2</sup> )
		Elongation	200% MIN
	Aged	Tensile Strength	2500 PSI*75% (168HRS*232°C)
		Elongation	200% MIN*75% (168HRS*232°C)
characteristic impedance	50 ± 3 Ω		Analysis of network analyzer The TRK tester
Capacitance	95.8 PF/M		Digital capacitance meter
Velocity	69%		Analysis of network analyzer
Propagation Delay	4. 8ns/m		/
Shielding attenuation	100dB		/
Bending radius	7mm		/
(UL) Flame retardant	passed		VW-1 VW-1 provides material report
Attenuation (dB/m)	test frequency	Attenuation	Sea level to 20 DEG C test
	0.1GHz	0.47	
	0.4GHz	0.93	
	1GHz	1.48	
	2GHz	2.15	
	3GHz	2.65	
	4GHz	3.56	
	5GHz	4.10	
6GHz	4.75		
VSWR	0.3—3GHz	≤1.30	
	3—6GHz	≤1.35	

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