

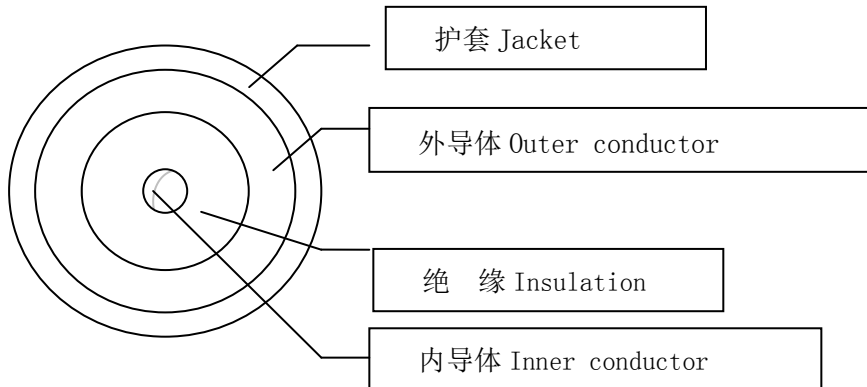
1. product description

1) This product is soft Teflon insulation series coaxial cable. It is suitable for the microwave equipment, wireless communication systems and equipment.

2) Product features: Excellent flexibility, good V.S.W.R, good shielding performance.

2. Cable with data and structure diagram:

2.1 :structure diagram



2.2

Specification of cable:

Item	NO	Materials and size
Inner conductor	Material	/ Silver plated copper wire
	Composition	mm 7/0.08±0.02
	OD	mm Φ0.24
Insulation	Material	/ Teflon FEP(200 degrees of fluorinated ethylene propylene resin)
	Thickness	mm 0.21
	OD	mm Φ0.68±0.03
	Color	/ transparent color
Outer conductor	Material	/ Tinned copper wire
	Form	/ Weave
	Density	% 93%(26 目 (Mesh); 80 编 (Coding 4*16/0.05mm))
	OD	mm Φ0.88±0.05
Jacket	Material	/ Teflon FEP(200 degrees of fluorinated ethylene propylene resin)
	Thickness	mm 0.125
	OD	mm Φ1.13±0.05
	color of sheath	/ Gray or black (Can also be processed according to customer requirements)

3. The cable properties

3.1 Electrical properties

test project	Standard value		Note
Rated temperature / voltage	-55℃ ~ +200℃ / 30V		/
Insulation resistance	3000MΩ.Km		Resistance tester
Conductor resistance	482Ω/Km 20℃		/
Pressure	2KV		Withstand voltage tester
Insulation	Unaged	Tensile Strength	2500 PSI MIN. (1.76Kg/mm ²)
		Elongation	200% MIN

	Aged	Elongation	
		Tensile Strength	2500 PSI*75%(168HRS*232℃)
Jacket	Unaged	Elongation	200 % MIN*75 % (168HRS*232℃)
		Tensile Strength	2500 PSI MIN. (1.76Kg/mm ²)
	Aged	Tensile Strength	2500 PSI*75%(168HRS*232℃)
		Elongation	200 % MIN*75 % (168HRS*232℃)
characteristic impedance	50±2Ω		Analysis of network analyzer The TRK tester
Capacitance	96±3 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 provides material report
Attenuation(dB/m)	test frequency	Attenuation	Sea level to 20 DEG C test
	0.1GHz	0.42	
	0.4GHz	0.58	
	1GHz	2.20	
	2GHz	3.40	
	3GHz	4.20	
	4GHz	4.50	
	5GHz	5.20	
VSWR	0.3—3GHz	≤1.30	
	3—6GHz	≤1.35	

4. Packaging requirements

4.1 Package length:1000 meters

The way of packing: Volume

The stub length: 30 meters

The proportion of short-term: 15%

4.2Packaging and labeling: standard or according to customer requirements.

5.Material composition:

5.1:Name of commodity and specifications : Coaxial cable RG1.13/P-TC

5.2: The weight of material: 3240(mg/m)

Position	(mg) Site quality	Material name	Material composition	CAS NO	The amount of (mg)	Containing rate	Note
conductor	350	Silver plated copper wire	Cu	7740-50-8	344.75	10.64	
			Ag	7740-22-4	5.25	0.162	
Insulation	742	Teflon FEP	FEP	26655-00-5	742	22.901	
Shield	1322	Tinned copper wire	Cu	7740-50-8	1282.34	39.578	
			Sn	7740-31-5	39.66	1.224	

			FEP	26655-00-5	770	23.765	
Jacket	826	Teflon FEP	Color Masterbatch	/	56	1.728	

Our products are the implementation of UL-1979 standard, does not provide UL certification standards, can provide SGS, MSDM report.

This specification is only for conventional wire, if the customer needed to wire for special specification, please refer to our wire admitted that book