



## DESCRIPTION

- Conductor : Silver coated copper clad steel
- Insulation : FEP Teflon
- Braid : Silver or Tinned coated copper
- Jacket : FEP Teflon
- Jacket Thickness : 0.08 ~ 0.15 mm.
- Temperature Range : -70°C ~ 200°C
- Voltage Rating : 30V

## CHARACTERISTICS

- Continuous working temperature range : -70°C ~ 200°C
- Resistant to solvents, chemicals, gasoline and radiations.
- High Dielectric Strength permits extremely
- Minimal signal distortion
- Tough flexible resistant to crush, abrasion.

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

Document	Conductor		Insulation	Braid	Jacket	Capacitance (pF/ft)	Impedance (ohms)	ATT(dB/100m)	
	AWG	No./AWG Strands	Diameter (mm)	Coverage (%)	Diameter (mm)			Frequency(Hz)	2.4G
A3130CS001	30	7 x 30	0.8	93	1.27	29	50	310	520
A3132CS001	32	7 x 40	0.66	90	1.13	29	50	480	720
A3134SP001	34	7 x 42	0.53	97	0.98	29	50	530	780
A3136SP001	36	7 x 44	0.4	89	0.8	29	50	580	930

## APPLICATIONS

Applications include mobile phone, PC and peripherals, home appliances, PDA, digital camera, GPS, network access device, video/audio equipment, security equipment, medical equipment, lighting equipment, remote control, wrist watch, car phone, hands-free voice-controlled device, broadcast equipment, identification card, shopping mail information etc.

# SPECIFICATION FOR APPROVAL

DOCUMENT: A3130SP002

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STYLE : COAXIAL CABLE

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SIZE: SP 7/0.107

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RECOGNIZED: UL 1979  
MEET VW-1

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## SPECIFICATION

Electrical & Physical Properties							
Item		30 AWG					
Rating Temperature & Volt		105°C & 30V					
Conductor Resistance		335 OHM/KM/20°C MAX.					
Insulation Resistance		1000 MEGA OHM-KM MIN.					
Dielectric Strength		AC 1KV/Minute					
Rating Current		3.6 Amp					
Insulation	Unaged	Tensile Strength	2500 PSI MIN.( 1.76 Kg / m m <sup>2</sup> )				
		Elongation	200% MIN.				
	Aged	Tensile Strength	<b>UNAGED MIN 75%(168HRS×232°C)</b>				
		Elongation	<b>UNAGED MIN 75%(168HRS×232°C)</b>				
Jacket	Unaged	Tensile Strength	2500 PSI MIN.( 1.76 Kg / m m <sup>2</sup> )				
		Elongation	200% MIN.				
	Aged	Tensile Strength	<b>UNAGED MIN.75%(168HRS×232°C)</b>				
		Elongation	<b>UNAGED MIN.75%(168HRS×232°C)</b>				
Nom. Impedance		50 Ohms					
Nom. Capacitance		95.8 pF/m					
Nom. Vel. of Prop.		69.5%					
VSWR (0 – 6 GHZ)		Max 1.3					
THERMAL SHOCK		Max 1mm at 232°C/1HR					
BEND RADIUS		Min 9mm					
Attenuation (dB/1M)	1GHZ	2GHZ	2.4GHZ	2.5GHZ	5.15GHZ	5.35GHZ	6.0GHZ
	1.6	2.3	2.5	2.6	3.9	4.0	4.3





## SPECIFICATION

STYLE	105°C 30V UL1979	DOCUMENT NO : A3130SP002	
SIZE	30 AWG	ESTABLISHED DATE: Mar/04/2005	
STANDARD : MIL-C-17			
Conductor	Size	AWG	30
	Material	----	Silver-Coated Copper
	Conductors No.	----	7
	Conductors Size	mm	0.107
	O.D.	mm	0.32
Insulation	Average Thickness	mm	0.30
	Diameter	mm	0.92 ±0.03
	Material	----	FEP
	Color	----	Clear
Braid	Material	----	Tinned Copper
	Construction	mm	16 / 6 / 0.05
	Coverage	%	96.4
Jacket	Average Thickness	mm	0.13
	Diameter	mm	1.37 ±0.05
	Material	----	FEP
	Color	----	ACCORDING TO CUSTOM
Marking			
Drawing			