

SPECIFICATION FOR APPROVAL

DOCUMENT: WT13708A00

STYLE : Mini RF 1.37mm

SIZE : 30AWG TD

RECOGNIZED : UL 1979 105°C 30V



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SPECIFICATION

Style	UL 1979 105°C 30V	Document No	: WT13708A00
Size	30AWG	Established Date	: 2006-01-09
Standard : UL 1979			
Conductor	Size	AWG	30
	Material	----	Silver-Coated Copper
	Conductors No.	----	7
	Construction Size	mm	0.105 ± 0.003
	Stranded Diameter	mm	0.31
Insulation	Material	----	FEP
	Color	----	Clear
	Average Thickness	mm	0.30
	Diameter	mm	0.92 ± 0.03
Braid Shield	Material	----	Tinned-Coated Copper
	Construction	mm	16 / 6 / 0.050 ± 0.003
	Coverage	%	95
	Diameter	mm	1.15 ± 0.05
Jacket	Material	----	FEP
	Color	----	Gray GY-08
	Average Thickness	mm	0.13
	Overall Diameter	mm	1.37 ± 0.05
Marking	Non		
Drawing	<p>The diagram shows a cross-section of a cable. It consists of an outer orange layer labeled 'Jacket', a middle layer with a cross-hatched pattern labeled 'Braid Shield', an inner layer labeled 'Insulation', and a central core of seven yellow circles labeled 'Conductor'.</p>		

Approval : Kenneth Ho

Confirm : Keep Wu

Maker : Liang Chen



SPECIFICATION

Electrical & Physical Properties						
Item		30AWG				
Rating Temp Voltage		105°C 30V				
Conductor Resistance		335 OHM/KM/20°C MAX.				
Insulation Resistance		3000 MEGA OHM/KM MIN.				
Dielectric Strength		AC 1.0 KV/Minute				
Spark Test		2.5 KV				
Insulation	Unaged	Tensile Strength	2500 PSI MIN. (1.76 Kg / m m ²)			
		Elongation	200% MIN.			
	Aged	Tensile Strength	UNAGED MIN. 75% (168HRS×232°C)			
		Elongation	UNAGED MIN. 75% (168HRS×232°C)			
Jacket	Unaged	Tensile Strength	2500 PSI MIN. (1.76 Kg / m m ²)			
		Elongation	200% MIN.			
	Aged	Tensile Strength	UNAGED MIN. 75% (168HRS×232°C)			
		Elongation	UNAGED MIN. 75% (168HRS×232°C)			
Nom. Impedance		50 ± 3 Ohms				
Nom. Capacitance		96 ± 3 pF/m				
Nom. Vel. of Prop.		69%				
VSWR Test (0 – 6 GHZ)		Less 1.3				
Flame Test		VW-1 OK				
THERMAL SHOCK		LESS 1mm at 232°C/1HR				
Operating Temperature		-60°C ~ 105°C				
BEND RADIUS		9mm Minimum				
Attenuation (dB/1m)	2.0GHZ	2.4GHZ	3.0GHZ	4.0GHZ	5.0GHZ	6.0GHZ
	2.20	2.60	2.80	3.40	3.80	4.30

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