



**RF CASTLE ELECTRONICS CO., LTD**

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## SPECIFICATION FOR APPROVAL

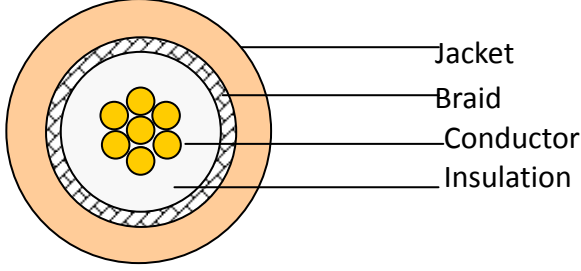
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DOCUMENT: WT13208A00

STYLE : MINI RF 1.32 CABLE

SIZE : 32AWG TD

RECOGNIZED: UL 1979 105°C 30V

Style	UL 1979 105°C 30V	Document No : WT13208A00	
Size	32AWG	Established Date : 2006/01/09	
Standard :			
Conductor	Size	AWG	32
	Material	----	Silver-Coated Copper
	Conductors No.	----	7
	Construction Size	mm	0.080
	Stranded Diameter	mm	0.240
Insulation	Material	----	FEP
	Color	----	Clear
	Average Thickness	mm	0.22
	Diameter	mm	0.68 ± 0.02
Braid Shield	Material	----	Tinned-Coated Copper
	Construction	mm	16 / 4 / 0.050
	Coverage	%	90
	Diameter	mm	0.92 ± 0.03
Jacket	Material	----	FEP
	Color	----	GRAY GY-08
	Average Thickness	mm	0.20
	Overall Diameter	mm	1.32 ± 0.05
Marking	Non		
Drawing	 <p>The drawing is a circular cross-section of a cable. It shows four distinct layers from the center outwards: 1. Conductor: Seven yellow circles arranged in a hexagonal pattern with one in the center. 2. Insulation: A thin white layer surrounding the conductor. 3. Braid: A layer of interlocking lines representing a braided shield. 4. Jacket: The outermost, thick orange layer. Labels with leader lines point to each of these four layers.</p>		

Electrical & Physical Properties						
Item		32AWG				
Rating Temp Voltage		105°C 30V				
Conductor Resistance		545 OHM / KM / 20°C MAX.				
Insulation Resistance		1000 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 / mm <sup>2</sup> )			
		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 / mm <sup>2</sup> )			
		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				
Attenuation (dB/1m)	2.0GHZ	2.4GHZ	3.0GHZ	4.0GHZ	5.0GHZ	6.0GHZ
	2.80	3.1	3.5	4.2	5.02	5.4