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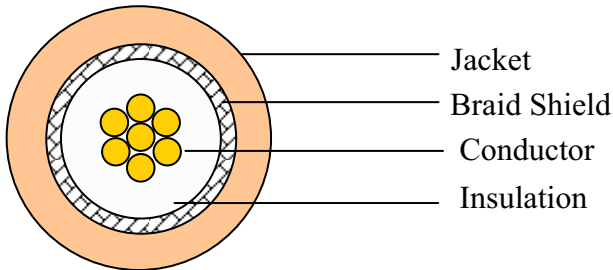
STYLE : RG-179/U

SIZE : 30AWG SD

RECOGNIZED: UL 1979 105°C 30V



## SPECIFICATION

Style	UL 1979 105°C 30V	Document No : WS17901A00	
Size	30AWG	Established Date : 2006/01/09	
Standard : MIL-C-17 & Belden 83264			
Conductor	Size	AWG	30
	Material	----	Silver-Coated Copper Clad Steel
	Conductors No.	----	7
	Construction Size	mm	0.102
	Stranded Diameter	mm	0.31
Insulation	Material	----	FEP
	Color	----	Clear
	Average Thickness	mm	0.64
	Diameter	mm	1.58 ± 0.05
Braid Shield	Material	----	Silver-Coated Copper
	Construction	mm	16 / 5 / 0.10
	Coverage	%	95
	Diameter	mm	2.03 ± 0.05
Jacket	Material	----	FEP
	Color	----	Brown
	Average Thickness	mm	0.28
	Overall Diameter	mm	2.54 ± 0.10
Marking	M17 / 94-RG179 MIL-C-17 WEIYANG		
Drawing	 <p>The drawing shows a cross-section of the cable with four layers: an outer orange Jacket, a braided Braid Shield, a central Conductor (seven yellow circles), and an inner white Insulation layer. Labels with leader lines point to each of these components.</p>		



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Electrical & Physical Properties						
Item		30AWG				
Rating Temp Voltage		105°C 30V				
Conductor Resistance		838 OHM / KM / 20°C MAX.				
Insulation Resistance		100 MEGA OHM/KM MIN.				
Dielectric Strength		AC 1.0 KV/Minute				
Spark Test		0.5 KV				
Insulation	Unaged	Tensile Strength	2500 PSI MIN. ( 1.76 Kg / m m <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 / m m <sup>2</sup> )			
		Elongation	200% MIN.			
	Aged	Tensile Strength	UNAGED MIN. 75% (168HRS×232°C)			
		Elongation	UNAGED MIN. 75% (168HRS×232°C)			
Nom. Impedance		75 ± 3 Ohms				
Nom. Capacitance		64 ± 3 pF/m				
Nom. Vel. of Prop.		69%				
Heat Test		230°C x5sec. Shrink 0.5mm Max.				
Flame Test		VW-1 OK				
Attenuation (dB/1m)	1MHZ	50MHZ	100MHZ	400MHZ	700MHZ	1GHZ
	0.10	0.30	0.33	0.53	0.62	0.79

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