

SPECIFICATION FOR APPROVAL

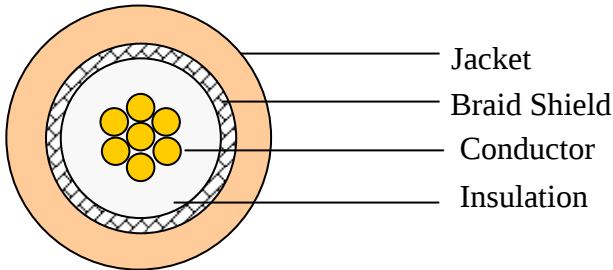
DOCUMENT: WS17901A00

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		

Approval : Kenneth Ho

Confirm : Keep Wu

Maker : Liang Chen

SPECIFICATION

Electrical & Physical Properties							
Item				30AWG			
Rating Temp Voltage				105℃ 30V			
Conductor Resistance				838 OHM / KM / 20℃ 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 ²)			
		Elongation		200% MIN.			
	Aged	Tensile Strength		UNAGED MIN. 75% (168HRS×232℃)			
		Elongation		UNAGED MIN. 75% (168HRS×232℃)			
Jacket	Unaged	Tensile Strength		2500 PSI MIN. (1.76 Kg / m m ²)			
		Elongation		200% MIN.			
	Aged	Tensile Strength		UNAGED MIN. 75% (168HRS×232℃)			
		Elongation		UNAGED MIN. 75% (168HRS×232℃)			
Nom. Impedance				75 ± 3 Ohms			
Nom. Capacitance				64 ± 3 pF/m			
Nom. Vel. of Prop.				69%			
Heat Test				230℃ 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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