

SPECIFICATION FOR APPROVAL

DOCUMENT: A30316U008

STYLE : 105°C 30V
RG-316/U

SIZE: 7/0.175 SCCS

RECOGNIZED: UL 1979
MEET VW-1



WONDERFUL HI-TECH CO.,LTD

OFFICE : 72WU KONG 6TH ROAD,
WU KU IND. DISTRICT
TAIPEI HSIEN,TAIWAN

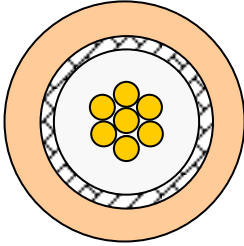
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WONDERFUL HI-TECH CO., LTD SPECIFICATION

STYLE	105°C 30V UL1979	DOCUMENT NO : A30316U008	
SIZE	RG-316/U	ESTABLISHED DATE: 2001/11/06	
STANDARD : MIL-C-17			
Conductor	Size	AWG	26
	Material	----	Silver-Coated Copper Clad Steel
	Conductors No.	----	7
	Conductors Size	mm	0.175
	O.D.	mm	0.53
Insulation	Average Thickness	mm	0.51
	Diameter	mm	1.53 ±0.03
	Material	----	FEP
	Color	----	Clear
Braid	Material	----	Silver-Coated Copper
	Construction	mm	16 / 5 / 0.092
	Coverage	%	92.3
Jacket	Average Thickness	mm	0.30
	Diameter	mm	2.53 ±0.10
	Material	----	FEP
	Color	----	ACCORDING TO CUSTOM
Marking	M17/113-RG316 MIL-C-17 WONDERFUL		
Drawing			



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SPECIFICATION

Electrical & Physical Properties						
Item		RG-316/U				
Rating Temp. Voltage		105°C 30V				
Conductor Resistance		281 OHM/KM/20°C MAX.				
Insulation Resistance		3000 MEGA OHM-KM MIN.				
Dielectric Strength		AC 1 KV/Minute				
Spark Test		2 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±5 Ohms				
Nom. Capacitance		95.8 pF/m				
Nom. Vel. of Prop.		69.5%				
VSWR (0 - 6 GHZ)		Max 1.3				
Operation Temperature		-40~200°C				
Storage Temperature		-40~200°C				
BEND RADIUS		Min. 11mm				
Attenuation (dB/100m)	10MHZ	100MHZ	1.8GHZ	2.4GHZ	5.2GHZ	6GHZ
	10.2	34.1	180	206	315	345