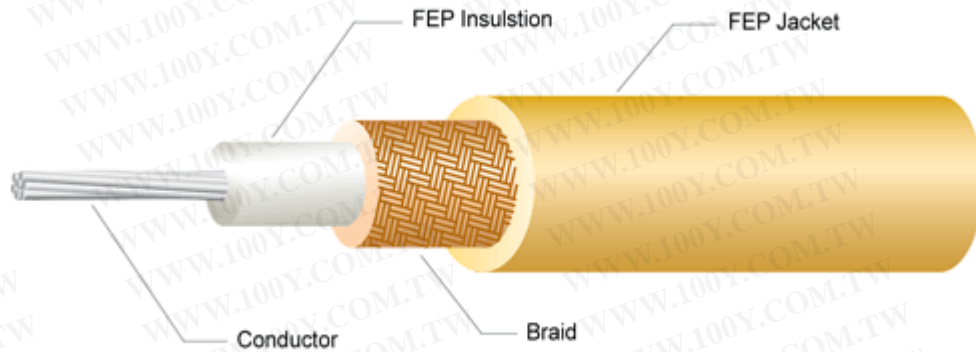


# RG-178B/U High Frequency Coaxial Cable



## DESCRIPTION

- Conductor : Silver coated copper clad steel
- Insulation : FEP Teflon
- Braid : Silver coated copper
- Jacket : FEP Teflon
- Jacket Thickness : 0.25 ~ 0.62 mm.
- Temperature Range : -70°C ~ 200°C
- Voltage Rating : 30V

## CHARACTERISTICS

- Continuous working temperature range : -70°C ~ 200°C
- Resistant to solvents, chemicals, gasoline and radiations.
- High Dielectric Strength permits extremely
- Minimal single distortion
- Tough flexible resistant to crush, abrasion.

Document	Conductor		Insulation	Braid	Jacket	Capacitance (pF/ft)	Impedance (ohms)	VSWR(max.)	
	AWG	No./AWG Strands	Diameter (mm)	Coverage (%)	Diameter (mm)			Frequency(Hz)	3G
RG-178B/U	30	7 x 38	0.86	95	1.8	29	50	1.2	1.3

## APPLICATIONS

Applications include mobile phone, PC and peripherals, home appliances, PDA, digital camera, GPS, network access device, video/audio equipment, security equipment, medical equipment, lighting equipment, remote control, wrist watch, car phone, hands-free voice-controlled device, broadcast equipment, identification card, shopping mail information etc.

# SPECIFICATION FOR APPROVAL

DOCUMENT: A30178B003

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STYLE : RG-178B/U

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勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

SIZE: 7/0.102 SCCS

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RECOGNIZED: UL 1979  
MEET VW-1

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# WONDERFUL HI-TECH CO., LTD SPECIFICATION

<b>STYLE</b>	105°C 30V	DOCUMENT NO : A30178B003	
<b>SIZE</b>	RG-178B/U	ESTABLISHED DATE: 2001/06/14	
<b>STANDARD : MIL-C-17</b>			
<b>Conductor</b>	Size	AWG	30
	Material	----	Silver-Coated Copper Clad Steel
	Conductors No.	----	7
	Conductors Size	mm	0.102
	O.D.	mm	0.31
<b>Insulation</b>	Thickness	mm	0.28 ±0.03
	Diameter	mm	0.86 ±0.03
	Material	----	FEP
	Color	----	Clear
<b>Braid</b>	Material	----	Silver-Coated Copper
	Construction	mm	16 / 3 / 0.092
	Coverage	%	91.8
<b>Jacket</b>	Thickness	mm	0.25 ±0.025
	Diameter	mm	1.80 ±0.05
	Material	----	FEP
	Color	----	ACCORDING TO CUSTOMER
<b>Marking</b>	Non		
<b>Drawing</b>	 <div style="border: 2px solid red; padding: 5px; margin-top: 10px; text-align: center;"> <p>勝特力材料 886-3-5753170            勝特力电子(上海) 86-21-34970699            勝特力电子(深圳) 86-755-83298787  <a href="http://www.100y.com.tw">Http://www.100y.com.tw</a></p> </div>		



# WONDERFUL HI-TECH CO., LTD.

## SPECIFICATION

Electrical & Physical Properties					
Item		RG-178B/U			
Rating Temperature		-55°C ~ +200°C			
Conductor Resistance		828 OHM/KM/20°C MAX.			
Insulation Resistance		3000 MEGA OHM-KM MIN.			
Dielectric Strength		AC 1.0 KV/Minute			
Spark Test		2 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		50±3 Ohms			
Nom. Capacitance		95.8 pF/m			
Nom. Vel. of Prop.		69.5%			
VSWR (0 - 6 GHZ)		Max 1.3			
THERMAL SHOCK		Max 1mm at 232°C/1HR			
BEND RADIUS		Min 9mm			
Attenuation (dB/100m)	1GHz	1.8GHz	2.4GHz	5.2GHz	6GHz
	180	260	290	450	490

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