



## Chinmore Industry Co., Ltd.

### RG316 Cable Specification

Style	UL 1979 105°C 30V	Size	26AWG
Standard : MIL-C-17			
Conductor	Size	AWG	26
	Material	----	Silver-Coated Copper Clad Steel
	Conductors No.	----	7
	Construction Size	mm	0.175
	Stranded Diameter	mm	0.53
Insulation	Material	----	FEP
	Color	----	Clear
	Average Thickness	mm	0.51
	Diameter	mm	1.53 ± 0.03
Braid Shield	Material	----	Silver-Coated Copper
	Construction	mm	16 / 5 / 0.10
	Coverage	%	95
	Diameter	mm	1.98 ±0.05
Jacket	Material	----	FEP +200°C ~-60°C
	Color	----	Brown
	Average Thickness	mm	0.30
	Overall Diameter	mm	2.53 ±0.10
Marking	M17 /113-RG316 MIL-C-17 WEIYANG		

Electrical & Physical Properties	
Item	26AWG
Rating Temp Voltage	105°C 30V
Conductor Resistance	302 OHM / KM / 20°C MAX.
Insulation Resistance	3000 MEGA OHM/KM MIN.
Dielectric Strength	AC 1.0 KV/Minute
Spark Test	5 KV

Insulation	Unaged	Tensile Strength	2500 PSI MIN. ( 1.76 Kg / m <sup>2</sup> )
		Elongation	200% MIN.
	Aged	Tensile Strength	UNAGED MIN. 75% (168HRS×232°C)
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Nom. Impedance			50 ± 3 Ohms
Nom. Capacitance			95.8 ± 3 pF/m
Nom. Vel. of Prop.			69%
VSWR Test			1.3 Max. at 6 Ghz
Flame Test			VW-1 OK
Minimum Bend Radius			12.70MM

**Attenuation of cable**

Frequency (MHz)	Attenuation(dB/1M)
600	-0.66
900	-0.83
1575	-1.33
1800	-1.55
2000	-1.58
2100	-1.70
2400	-1.99
2700	-1.95
3000	-1.95

**V.S.W.R.**

Frequency (MHz)	Attenuation(1M)
600	1.09
900	1.07
1575	1.46
1800	1.52
2000	1.62
2100	1.65
2400	1.52
2700	1.23
3000	1.41

**Return Loss**

Frequency (MHz)	Attenuation(dB/1M)
600	-0.63
900	-0.76
1575	-1.12
1800	-1.32
2000	-1.40
2100	-1.49
2400	-1.48
2700	-1.60
3000	-1.73

