

W5 Series are complete line of high performance flexible microwave cable assemblies. Specially, **W503** series have low loss **flexible** cable due to **stranded center conductor structure** and low density PTFE structure to achieve velocity propagation of **81 %**.

W503 series have excellent RF performance up to 18 GHz with N-type Connectors & 26.5 GHz with SMA connectors, respectively.

■ Features

- Center Conductor : Silver Plated Copper
- Insulator : Low Density PTFE
- Inner Shield : Silver Plated Copper Tape
- Outer Shield : Silver Plated Copper Braid
- Jacket : Blue PUR



■ Specification

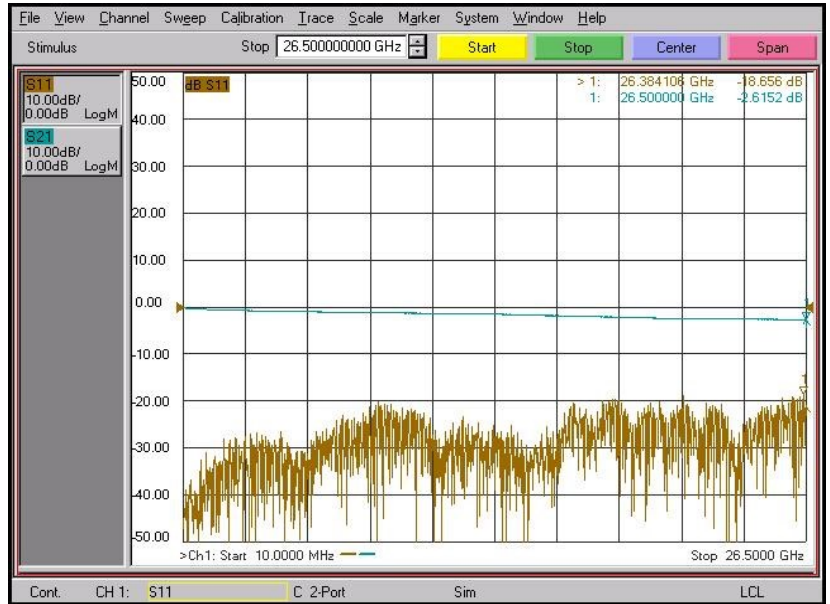
Scope	Specification	W503
Physical	Center Conductor (mm) : Stranded type	1.45
	Insulator (mm)	3.90
	Inner Shield (mm)	4.10
	Outer Shield (mm)	4.60
	Jacket	5.90
Electrical	Impedance	50 ± 1 Ohm
	Velocity of Propagation (%)	Typical 81
	VSWR (based on connector selection)	<1.3 to 18 GHz (N-type) < 1.2 to 26.5 GHz (SMA)
	Shielding Effectiveness	>90 dB
	Attenuation at 20 °C (Typical)	at 6.0 GHz : 0.75 dB/m at 10.0 GHz : 1.0 dB/m at 18.0 GHz : 1.31 dB/m at 26.5 GHz : 1.62 dB /m
Mechanical & Environmental	Weight (g/M)	63
	Min. bending radius	25
	Temperature (Storage)	-55 ~+85°C

■ **Test Result**

W503 cable assembly

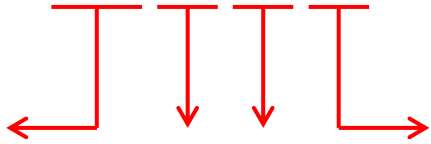
Part No. : W503-SM1SM1-1M

- Frequency : 10 MHz to 26.5 GHz
- Connector : SMA (Male)
- Cable Length : 1 meter



■ **Selection Guide**

W503- SM1SM1 - 1M



Cable Type

W503

Connector Type

SM1 : SMA Male
NM1 : N-type Male

Cable Length

Unit : Meter

O.D : 5.9 mm

SMA



W503(26.5G)