

W6 Series are complete line of high performance flexible microwave cable assemblies. Specially, **W601** Series have low density PTFE structure to achieve velocity propagation of **80 %**.

These series have excellent RF performance up to **110 GHz** with **1.0 mm Connectors**.



■ Features

- Center Conductor : Silver Plated Copper
- Insulator : Low Density PTFE
- Outer Conductor 1 : Silver Plated Copper Ribbon
- Outer Conductor 2 : Silver Plated Copper
- Jacket : FEP

■ Specification

Scope	Specification	W601 (110 GHz)
Physical	Center Conductor (mm)	0.29
	Insulator (mm)	0.84
	Outer Conductor 1 (mm)	1.00
	Outer Conductor 2 (mm)	1.24
	Jacket	1.46
Electrical	Freq. (GHz)	110 GHz
	Characteristic Impedance	50 ± 1 Ohm
	Velocity of Propagation (%)	Typical 80
	Voltage Withstand (V, DC)	600
	Shielding Effectiveness (dB)	<-90
	VSWR (based on connector selection)	< 1.4 to 110 GHz
	Amplitude Stability (Max) *	<± 0.2 dB @ 110 GHz
Mechanical & Environmental	Phase Stability (Max) *	<±9.8 degree @ 110 GHz
	Weight (g/M)	5.6
	Min. bending radius : Installation (mm)	7.0
	Repeated (mm)	15.0
	Operating Temperature	-55 ~+165°C

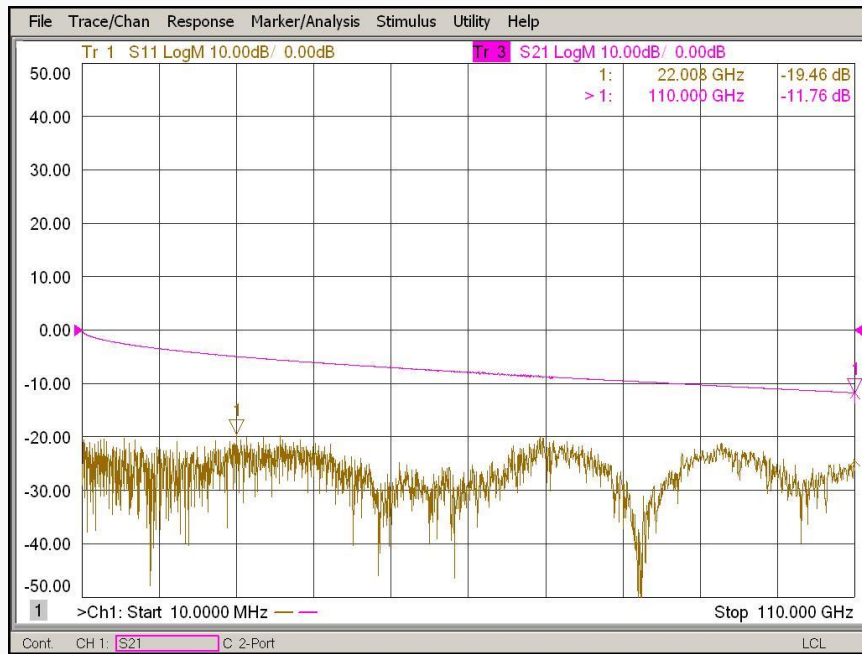
* cable was wrapped 360 degree around Φ30 mm mandrel

■ Test Result

W601 cable assembly

Part No. : W601-WM1WM1-1M

- Frequency : 10 MHz to 110 GHz
- Connector : 1.0 mm (Male)
- Cable Length : 1 Meter

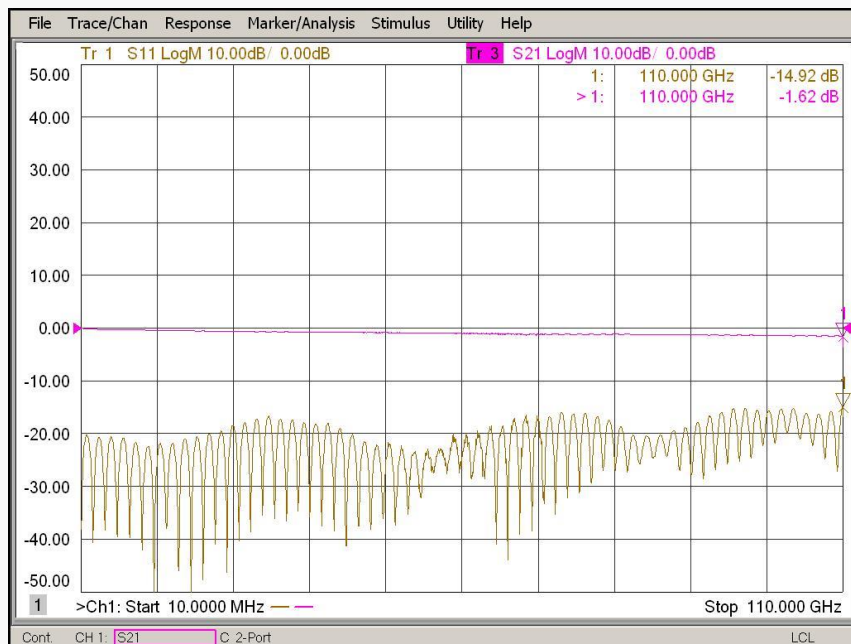


■ Test Result

W601 cable assembly

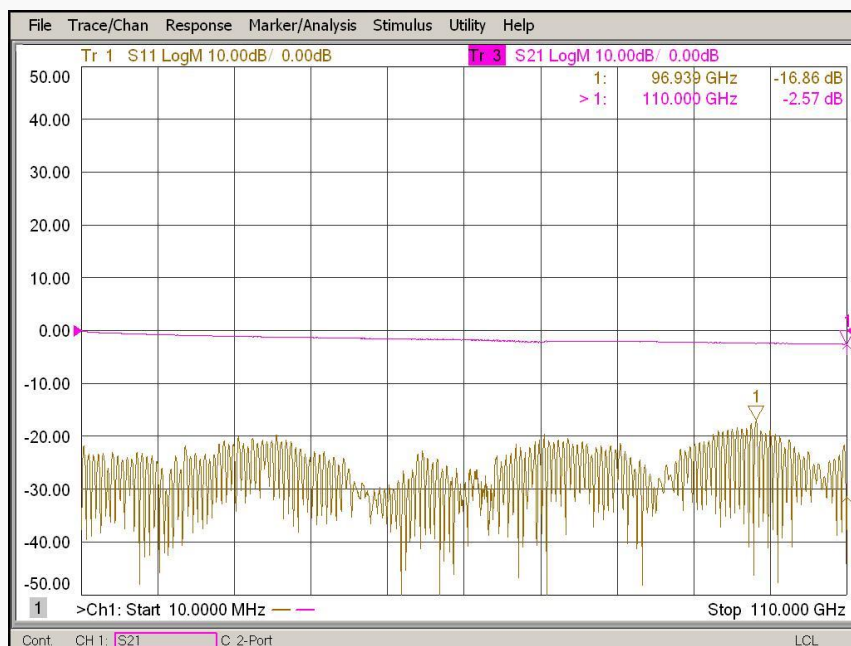
Part No. : W601-WM1WM1-3inch

- Frequency : 10 MHz to 110 GHz
- Connector : 1.0 mm (Male)
- Cable Length : 3 inch



Part No. : W601-WM1WM1-7inch

- Frequency : 10 MHz to 110 GHz
- Connector : 1.0 mm (Male)
- Cable Length : 7 inch



■ Selection Guide

W601- WM1WM1 - 1M		
Cable Type	Connector Type	Cable Length
W601	WM1 :1.0 mm(Male)	Unit : Meter

