

W3 Series are flexible test cable assembly and velocity propagation is **73 %**. They have low insertion & Return loss performance up to **26.5 GHz**.

They also have **Good Phase and Amplitude stability** up to 26.5 GHz.  
We have various connector types such as **SMA, N-type, 3.5 mm Types**.



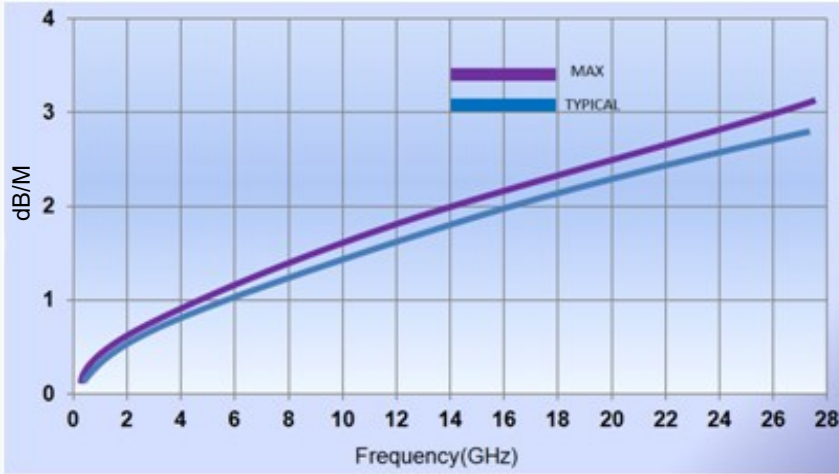
**Features**

- Phase & Loss Stable
- High Mating cycles
- Good phase and Amplitude stability

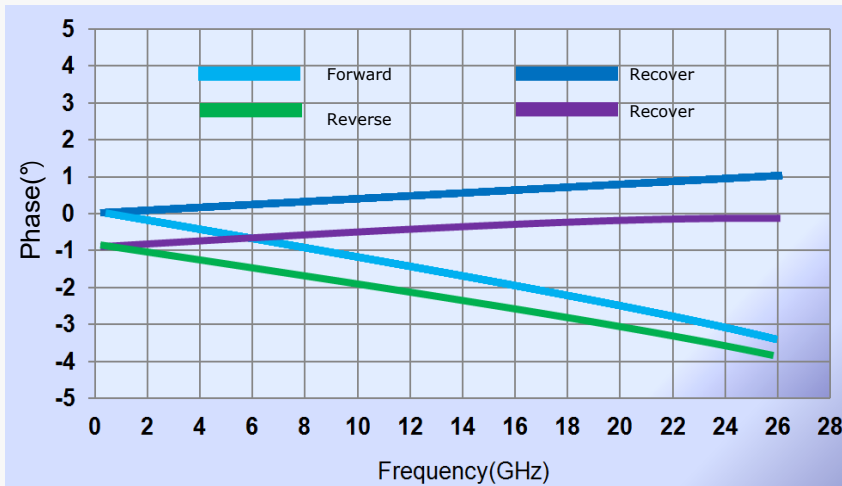
**Specification**

Scope	Specification	W300
Physical	Center Conductor	0.94
	Dielectric	2.97
	Inner Shield	3.17
	Inner layer	3.33
	Outer Shield	3.80
	Jacket	4.95
Electrical	Impedance (Ohm)	50
	Operation Freq.(GHz)	26.5 GHz
	Velocity of propagation ( %)	73
	Amplitude Stability (dB)	± 0.15 (DC to 26.5GHz)
	Phase Stability	± 2.0° (DC~10 GHz) ± 3.0° (10~18 GHz)
	Shielding Effectiveness (dB)	<-110
Mechanical & Environmental	Weight (g/M)	64
	Mating Cycle	> 5,000
	Bending Radius	20
	Operation Temperature	-55~ +125°C

**Cable Attenuation (Nominal Values @ +25 °C Ambient temperature)**



**Mechanical Phase Stability**

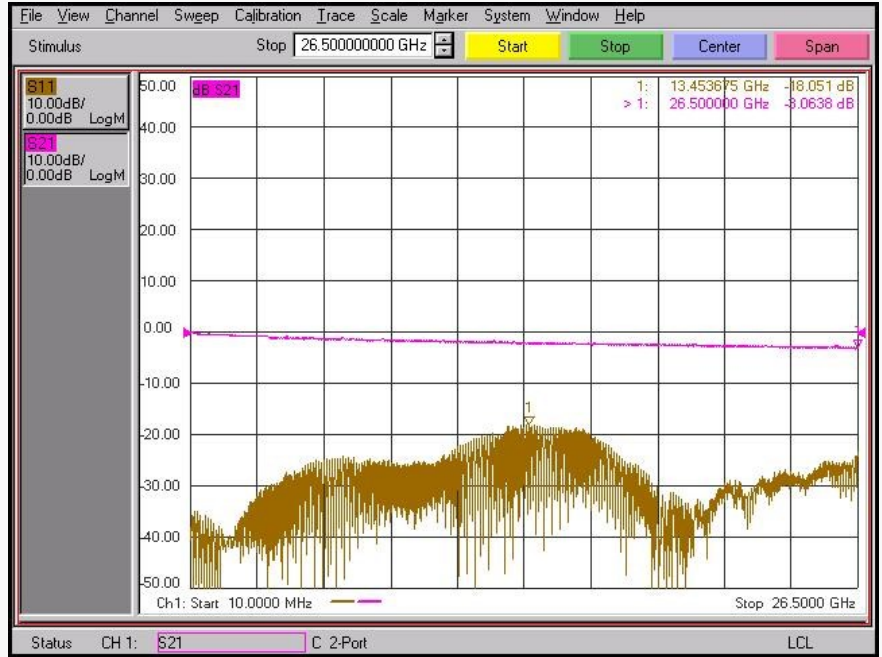


■ **Test Result**

**W300 cable assembly**

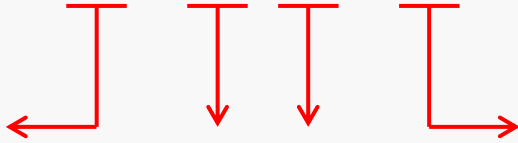
**Part No. : W300-SM1SM1-1M**

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



■ **Selection Guide**

**W300 – SM1SM1 – 1M**



**Cable Type**

W300

**Connector Type**

- SM1 : SMA Male
- SF1 : SMA Female
- NM : N-Type Male
- NF : N-Type Female
- 35M : 3.5 mm Male
- 35F : 3.5 mm Female

**Cable Length**

Unit : Meter



■ **Revision History**

<b>Revision</b>	<b>Date</b>	<b>Changes</b>
Ver 1.0	2015-06-29	Released W1 Series Cable Assembly
Ver.1.1	2019-05-01	Updated specification
Ver 1.2	2019-11-01	Updated specification
Ver 1.3	2020-02-01	Updated specification