

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

It also has **Good Phase and Amplitude stability** up to 26.5 GHz.

We have various connector types such as **SMA, N-type, 3.5 mm Types**.



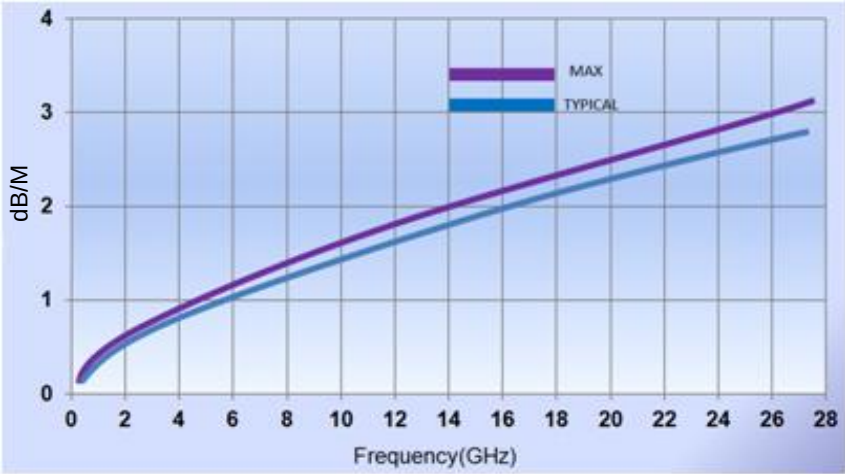
■ Features

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

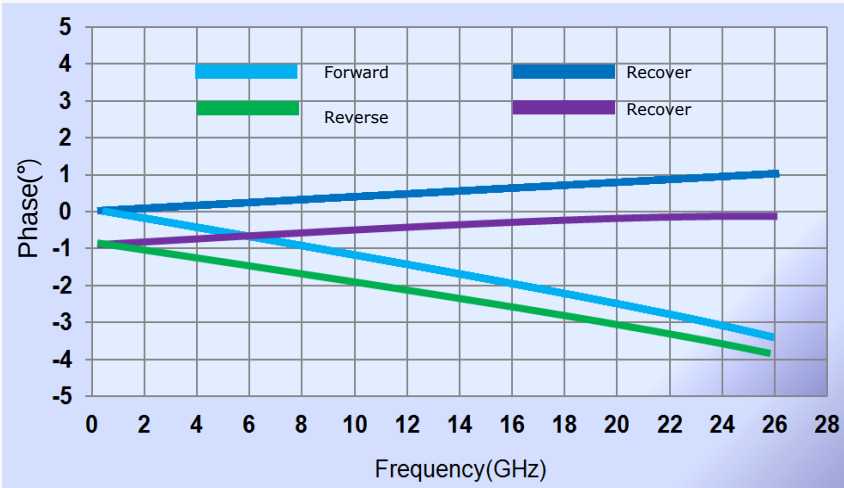
■ Specification

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)	± 0.05 (DC to 26.5GHz)
	Phase Stability	± 1.0° (DC~10 GHz) ± 2° (10~18 GHz)
	Shielding Effectiveness (dB)	<-110
Mechanical & Environmental	Weight (g/M)	64
	Mating Cycle	> 5,000
	Bending Radius	20
	Operation Temperature	-55~ +125℃

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



Mechanical Phase Stability

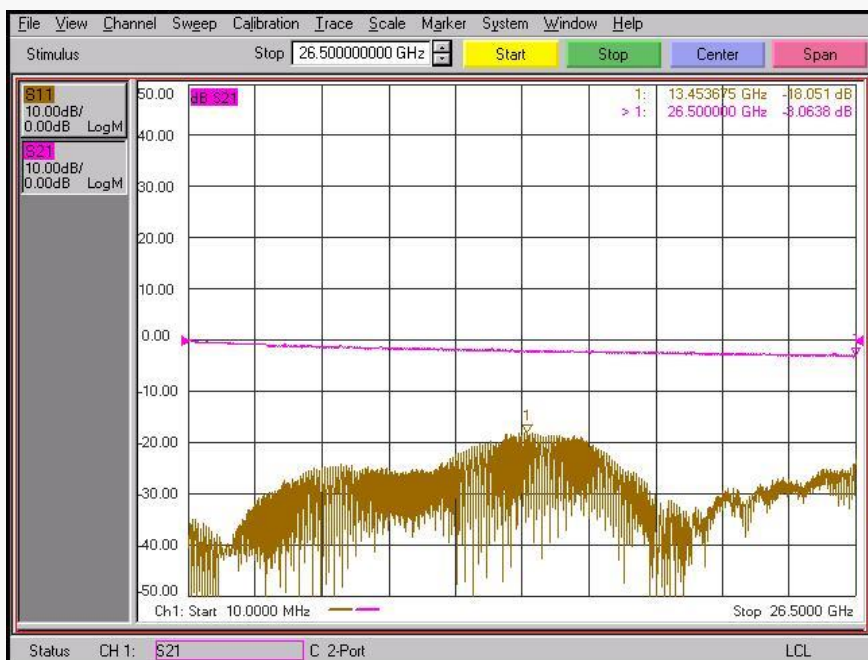


■ Test Result

W300 cable assembly

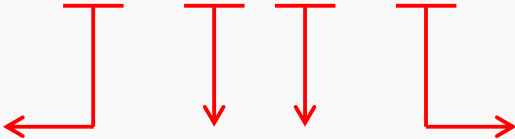
Part No. : W300-SM1SM1-1M

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



■ Selection Guide

W300 – SM1SM1 – 1M



Cable Type	Connector Type	Cable Length
W300	SM1 : SMA Male SF1 : SMA Female NM : N-Type Male NF : N-Type Female 35M : 3.5 mm Male 35F : 3.5 mm Female	Unit : Meter



■ Revision History

Revision	Date	Changes
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