

Withwave's W4 Series are low cost flexible RF cable assemblies for commercial market. Velocity propagation of cable is **70 %** and good insertion & return loss up to **3, 6 & 20 GHz** according to various type of connectors such as SMA, N-type and BNC, respectively.

■ **Features**

- Center Conductor : Silver plated copper wire
- Dielectric core : Solid PTFE
- Outer Conductor : Silver Plated copper tape
- Jacket : FEP



■ **Specification**

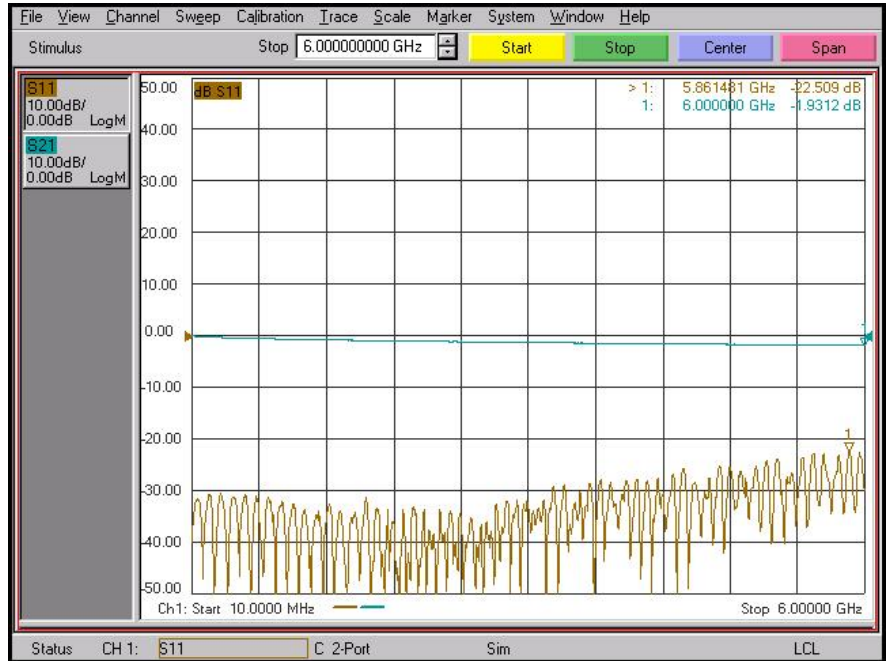
Scope	Specification	W400	W401
Physical	Center Conductor	0.51	0.94
	Dielectric	1.63	2.97
	Inner Shield	1.78	3.18
	Outer Shield	2.16	3.48
	Jacket	2.69	4.01
Electrical	Impedance (Ohm)	50	
	Operation Freq.(GHz)	20	20
	Velocity of propagation(%)	70	
	Capacitance (pF/m)	95.1	
	Shielding Effectiveness (dB)	100	
Mechanical & Environmental	Attenuation(dB/m)	0.39 @ 0.5 GHz 0.72 @ 1.0 GHz 1.67 @ 5.0 GHz 2.52 @ 10 GHz 3.60 @ 18 GHz	0.23 @ 0.4 GHz 0.37 @ 1.0 GHz 1.15 @ 7.0 GHz 1.44 @ 10.0 GHz 2.09 @ 15.0 GHz 2.25 @ 20.0 GHz
	Weight (g/M)	19.5	47.8
	Operation Temperature	-50~ +125 °C	

■ **Test Result**

W400 cable Assembly

Part No: W400-SM1SM1-1M

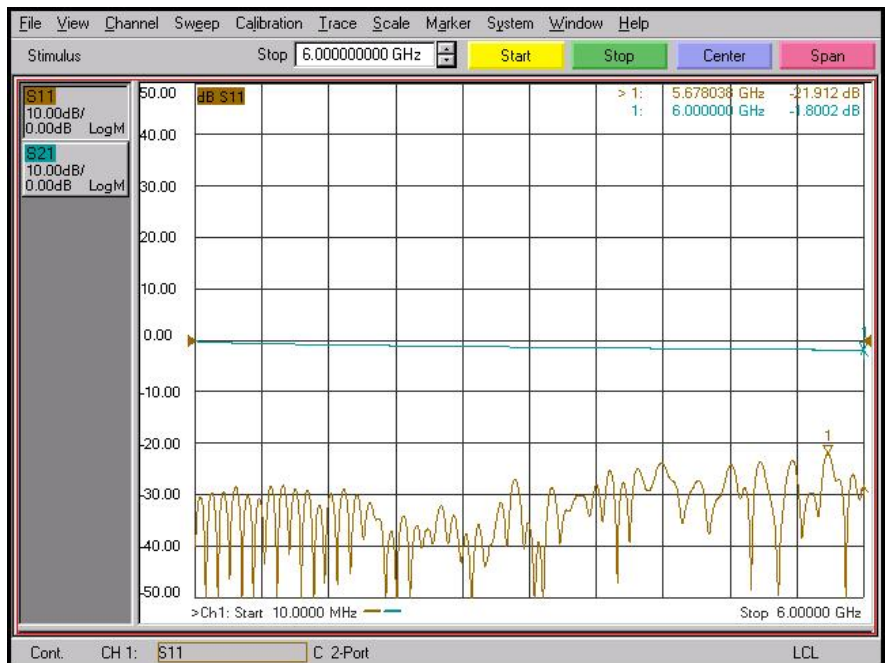
- Frequency : DC to 6 GHz
- Connector : SMA (Male)
- Cable Length : 1 meter



W400 cable Assembly

Part No: W400-NM1NM1-1M

- Frequency : DC to 6 GHz
- Connector : N-type (Male)
- Cable Length : 1 meter

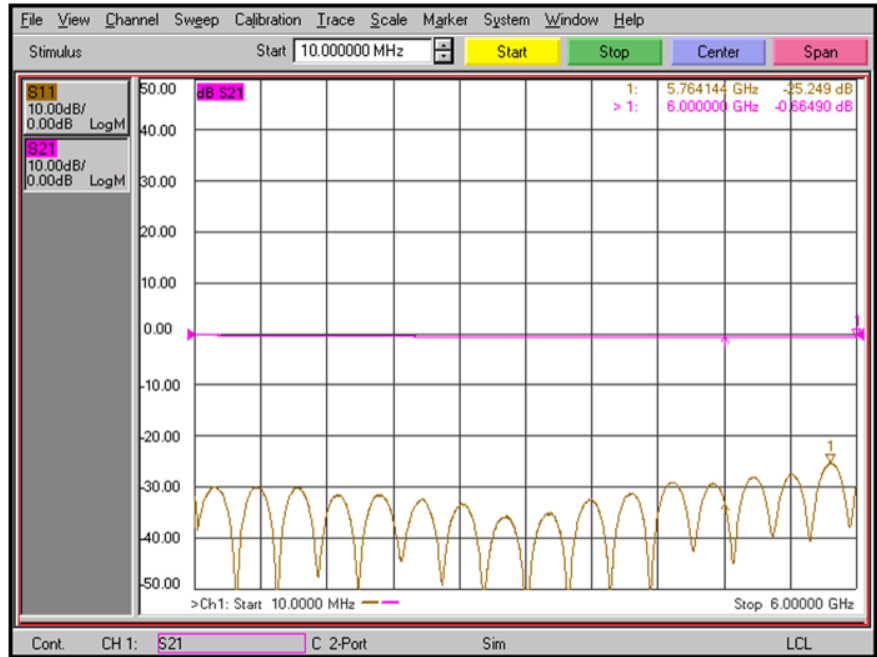
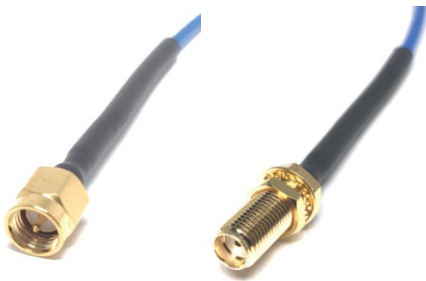


Test Result

W400 cable Assembly

Part No: W400-SM1SF2-0.3M

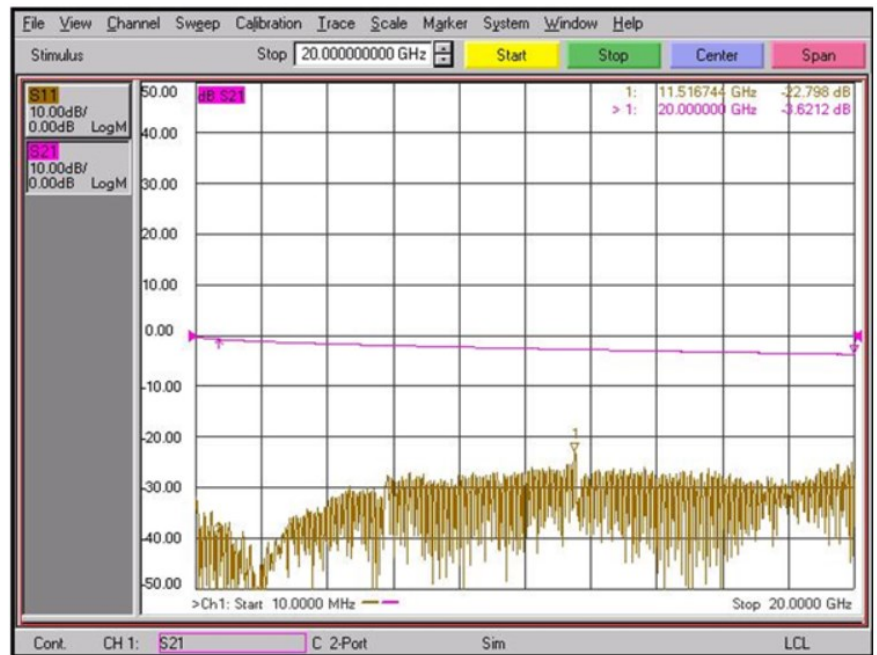
- Frequency : DC to 6 GHz
- Connector : SMA(M),SMA(F)B/H
- Cable Length : 0.3 meter



W400(20G) cable Assembly

Part No: W400(20G)-SM2SF2-1M

- Frequency : DC to 20 GHz
- Connector : SMA(M), SMA(F)
- Cable Length : 1 meter

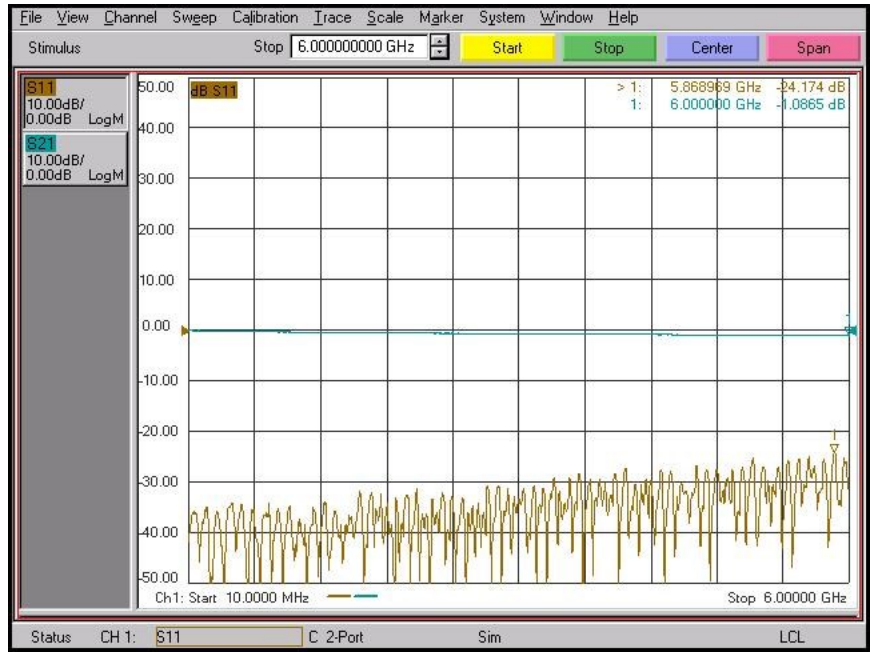


■ **Test Result**

W401 cable Assembly

Part No: W401-SM1SM1-1M

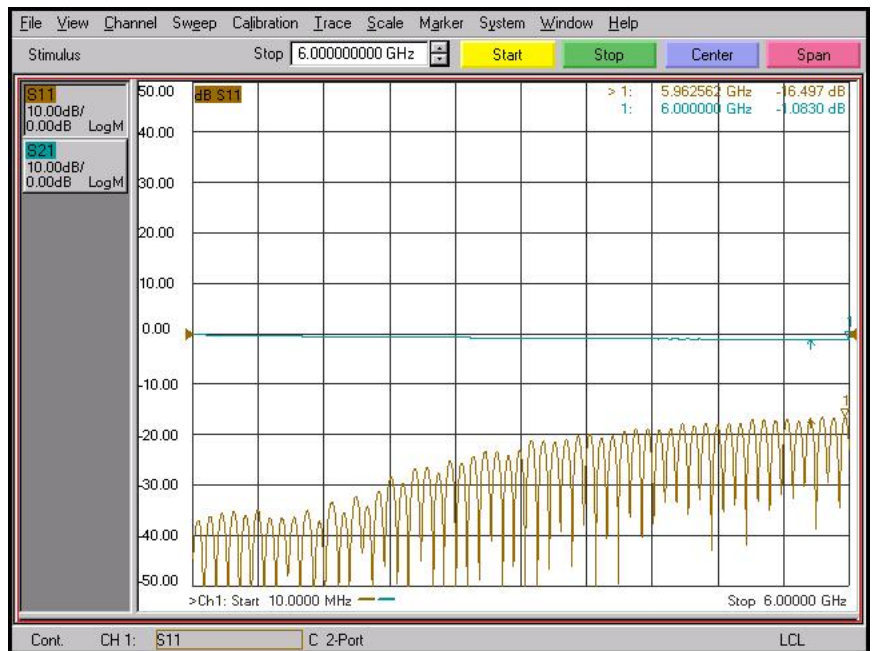
- Frequency : DC to 6 GHz
- Connector : SMA (Male)
- Cable Length : 1 meter



W401 cable Assembly

Part No: W401-NM1NM1-1M

- Frequency : DC to 6 GHz
- Connector : N-type (Male)
- Cable Length : 1 meter

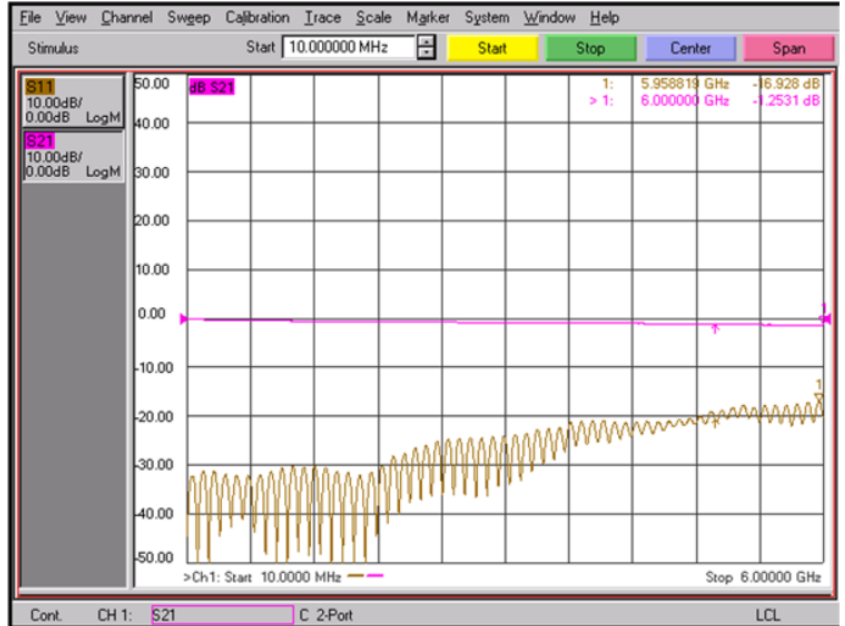
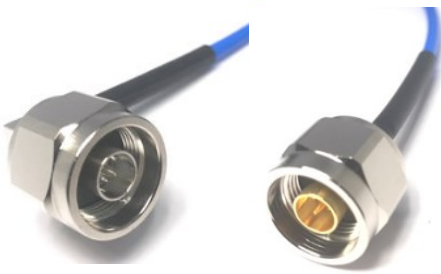


■ **Test Result**

W401 cable Assembly

Part No: W401-NM1NMR1-1M

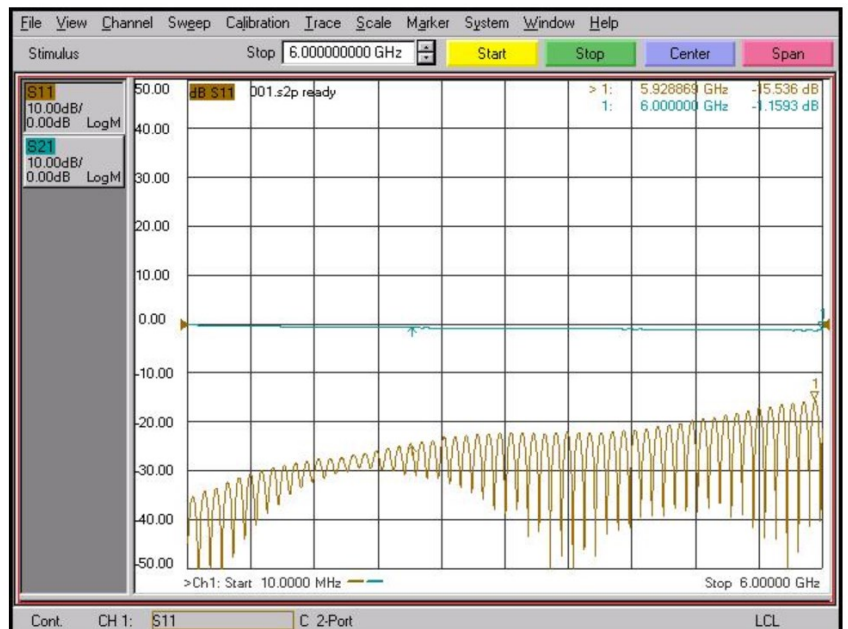
- Frequency : DC to 6 GHz
- Connector : N(M), N(M)R/A
- Cable Length : 1 meter



W401 cable Assembly

Part No: W401-NF1NM1-1M

- Frequency : DC to 6 GHz
- Connector : N(F), N(M)
- Cable Length : 1 meter

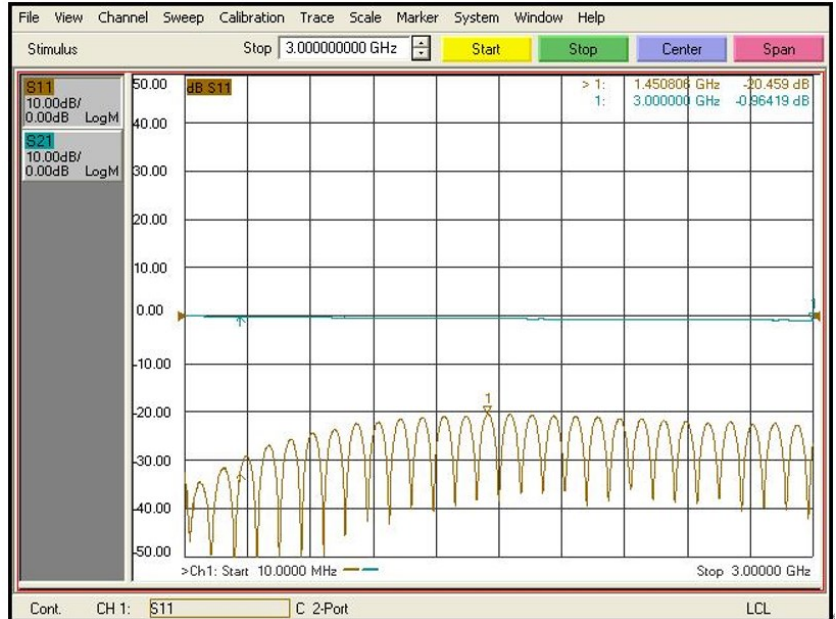


■ Test Result

W401 cable Assembly

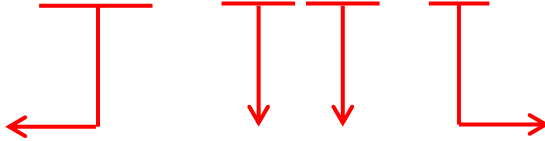
Part No: W401-BM1BM1-1M

- Frequency : DC to 3 GHz
- Connector : BNC (Male)
- Cable Length : 1 meter



■ **Selection Guide**

W400 – SM1SM1 – 1M



Cable Type

W400
W400(20G)
W401

Connector Type

SM1 : SMA(M)
SM2 : SMA(M)
SF2 : SMA(F), SMA(F)B/H
BM1 : BNC(M)
NM1 : N-Type(M)
NF1 : N-Type(F)
NMR1:N-Type(M) R/A

Cable Length

Unit : Meter

O.D : 2.69 mm



O.D : 4.01 mm

