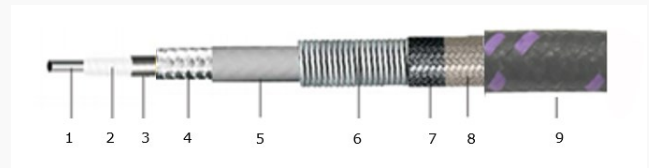


W-Test Cable Assemblies are complete line of high precision flexible microwave cable assemblies, specially for stable phase testing. These **WT110 Cable Assemblies** are designed by excellent microwave interconnection technologies and have **good phase and amplitude stability up to 110GHz**. It is claimed to have excellent insertion loss, high phase/amplitude stability in relation to temperature.



Features



- 1. **Center Conductor** : Silver Plated Copper
- 2. **Dielectric core** : LD PTFE
- 3. **Outer Conductor** : Silver Plated Copper Ribbon
- 4. **Inner Braiding** : SPC
- 5. **Jacket** : FEP
- 6. **Crush Protection Layer**
- 7. **Braiding**
- 8. **PTFE Stable Gum.**
- 9. **Braided Outer Jacket**

Specification

Scope	Specification	WT110 (110 GHz)
Electrical	Impedance(Ohm)	50
	Operation Freq.(GHz)	110
	VSWR(Max)	1.4
	Amplitude stability (dB) *	<+/- 0.2
	Phase stability (degree) *	<+/- 7.0
	Attenuation (dB/M)	10.0 @ 110 GHz
Physical	Velocity of propagation(%)	80
	Bending radius(Min)	20 mm
	Connector	1.0 mm
	Cable Diameter(mm)	6.4
Environmental	Operating Temperature (degree)	- 40 to +85 °C **

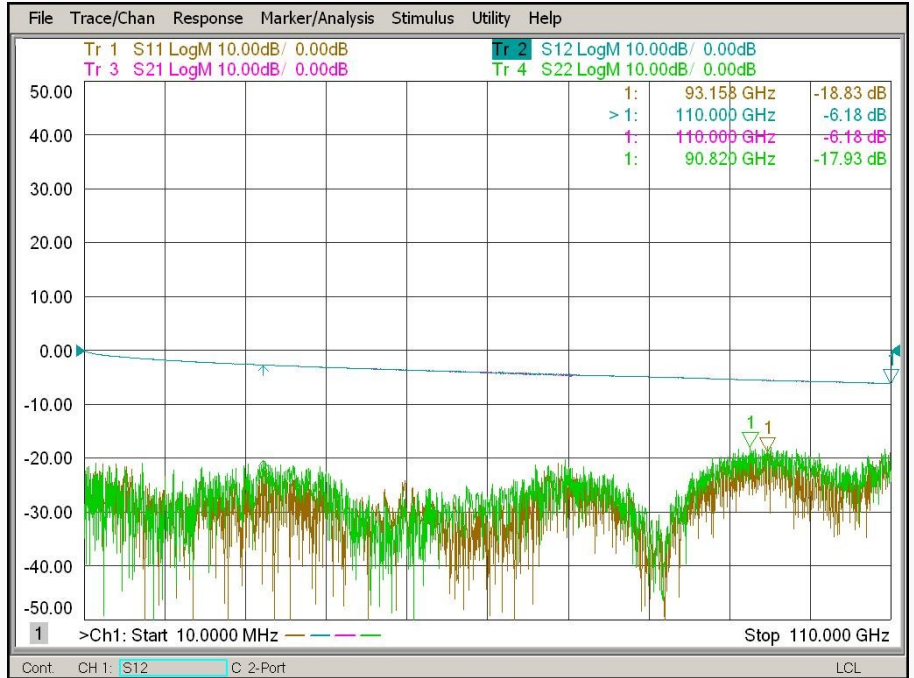
* Cable (length : 1 meter) was wrapped 360 degree around Φ 40 mm mandrel

** Adhesive type shrinkable tube: - -40 ~+85 °C / Non-adhesive type shrinkable tube: - -40 ~ + 125 °C

Test Result

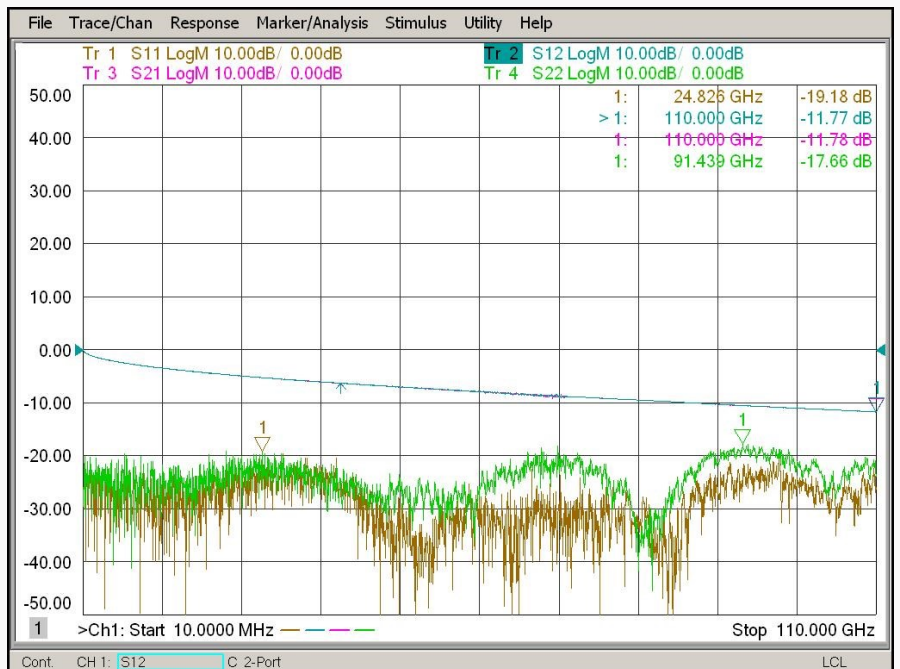
Part No. : WT110-WM1WM1-0.5M

- Frequency : DC to 110 GHz
- Connector : 1.0 mm (Male)
- Cable Length : 0.5 meter



Part No. : WT110-WM1WM1-1M

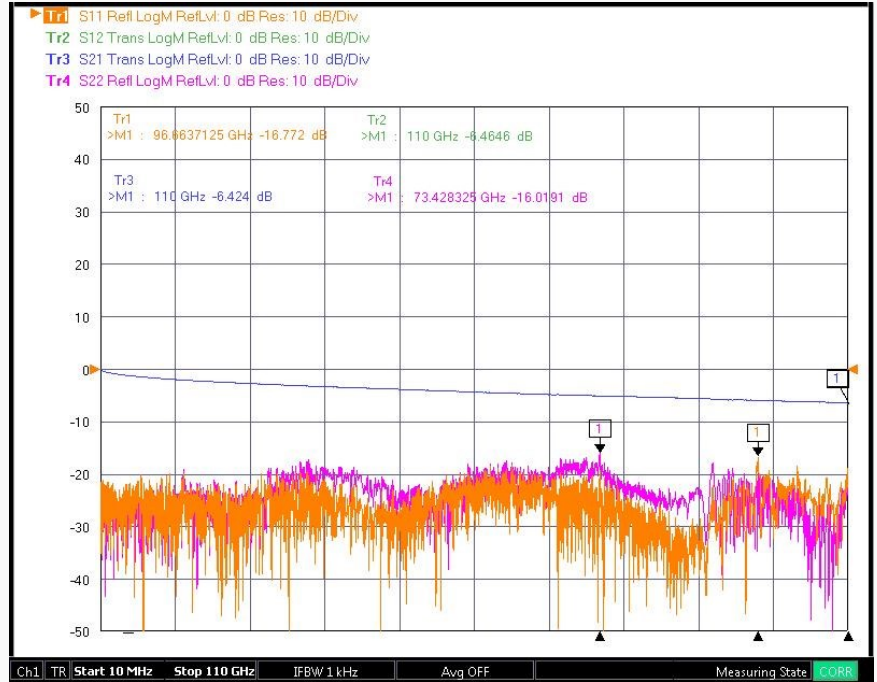
- Frequency : DC to 110 GHz
- Connector : 1.0 mm (Male)
- Cable Length : 1 meter



■ **Test Result**

Part No. : WT110-WM1WF1-0.5M

- Frequency : DC to 110 GHz
- Connector : 1.0 mm (Male),
1.0 mm(Female)
- Cable Length : 0.5 meter



■ Selection Guide

WT110 - WM1WM1 - 1M - T

**Non-Adhesive
Shrinkable Tube**

T: -40 ~ + 125 °C

Cable Type

WT110 (110 GHz)

Connector Type

WM1: 1.0 mm Male
WF1 : 1.0 mm Female

Cable Length

Unit : Meter



■ **Revision History**

Revision	Date	Changes
Ver 1.0	2019-10-21	Release New WT110 Cable Assembly (110 GHz)
Ver 1.1	2020-05-20	Updated Specfication
Ver 1.2	2021-05-01	Add 1.0 mm(Female) type
Ver 1.3	2022-04-22	Updated Temperature Spec. according to tube