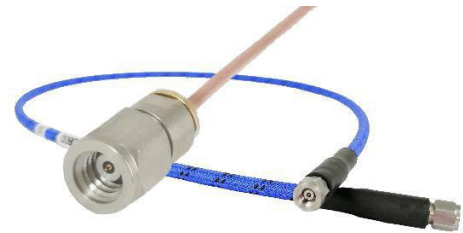


# 1mm Test Cable Assemblies

➤ DC - 110GHz

## Key Features

- Frequency range DC - 110GHz
- Maximum VSWR 1.45:1
- Excellent phase and amplitude stability
- Semi-rigid and armored flexible cable types
- Precision 1.0mm stainless steel connectors
- Operation temperature from -55°C to 85°C



## Typical Applications

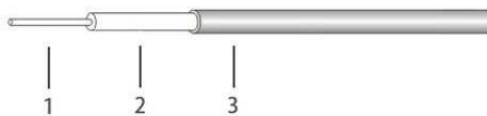
- 3mm test system
- Radar test systems
- Laboratory and production testing

## Cable Types

Types	Modules	Frequency Range (GHz)	Cable Diameter	Min. Bending Radius	
				Dynamic	Static
Semi-rigid	C1	DC - 110	1.2mm	/	4.2mm
Armoured flexible	H5RU	DC - 110	4.5mm	17mm	/

## Cable Structure

➤ *C1 Semi-rigid type cable*

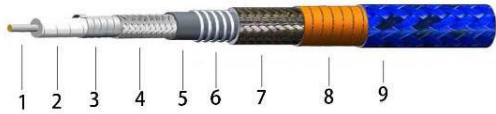


1. Center conductor: Ag-plated Cu
2. Dielectric: PTFE
3. Outer conductor: seamless copper tube

# 1mm Test Cable Assemblies

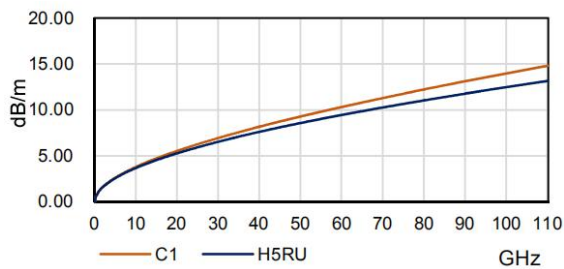
## ➤ DC - 110GHz

### ➤ H5RU Flexible type cable (with multilayer armour)

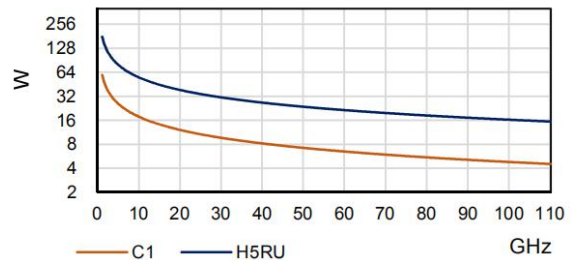


1. Center conductor: Ag-plated Cu (single)
2. Dielectric: low density PTFE
3. Inner shield: Ag-plated copper tape
4. Inner braid: Ag-plated copper wire
5. Inner jacket: FEP
6. Spring member: stainless steel wire
7. Outer braid: Ag-plated copper wire
8. Waterproof layer: PI+PTFE
9. Outer jacker: PTFE wire

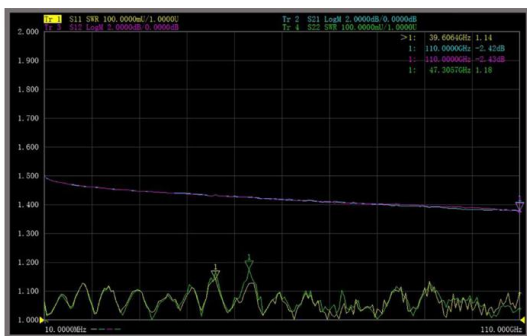
### ➤ Typical insertion loss performance (25°C)



### ➤ Typical withstand power performance (40°C)



### ➤ Typical test curve



*\*Under condition:*

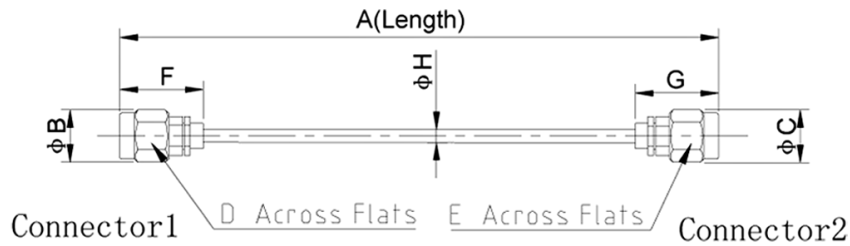
*Data tested from 1.0mm(m)-1.0mm(m) H5RU flexible cable, 200mm length*

# 1mm Test Cable Assemblies

➤ DC - 110GHz

## Ordering Information

➤ *C1 Semi-rigid Type Cable: 1.0mm(M) to 1.0mm(M)*

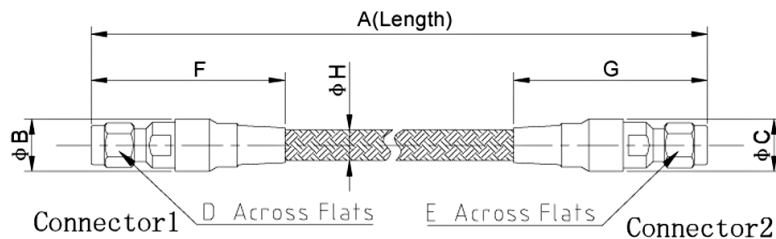


A	Length	E	6
B	6.9	F	11.8
C	6.9	G	11.8
D	6	H	1.2

Unit: mm

P/N	Length (mm)	Frequency (GHz)	VSWR	IL (dB)
SSR1818A-C1S50	50	DC - 110	1.45	2.00
SSR1818A-C1S100	100	DC - 110	1.45	2.74
SSR1818A-C1S150	150	DC - 110	1.45	3.48
SSR1818A-C1S200	200	DC - 110	1.45	4.22
SSR1818A-C1S250	250	DC - 110	1.45	4.96
SSR1818A-C1S300	300	DC - 110	1.45	5.70
SSR1818A-C1S400	400	DC - 110	1.45	7.18
SSR1818A-C1S500	500	DC - 110	1.45	8.66

➤ *H5RU Flexible type cable (with multilayer armour): 1.0mm(M) to 1.0mm(M)*



A	Length	E	6
B	7	F	45
C	7	G	45
D	6	H	4.5

Unit: mm

# 1mm Test Cable Assemblies

➤ **DC - 110GHz**

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P/N	Length (mm)	Frequency (GHz)	VSWR	IL (dB)
SAF1818A-H5RU200	200	DC - 110	1.45	3.89
SAF1818A-H5RU300	300	DC - 110	1.45	5.20
SAF1818A-H5RU400	400	DC - 110	1.45	6.52
SAF1818A-H5RU500	500	DC - 110	1.45	7.83
SAF1818A-H5RU800	800	DC - 110	1.45	11.77

***Note:** Information will conduct the necessary updates, the contents of this document are subject to change without notice.*