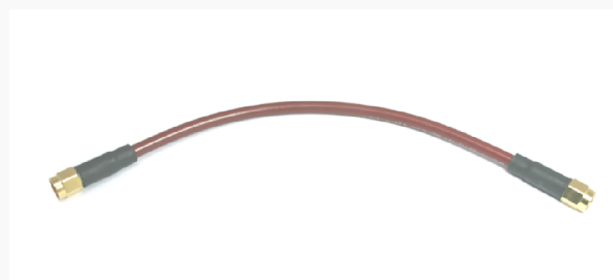


Withwave's Handformable Microwave Cable Assemblies are complete line of high performance cable assemblies and they achieve velocity propagation of **71 %**.

These series have excellent RF performance up to 8 & 28 GHz with N-type & SMA connectors, respectively.



■ Features

- Center Conductor : Steel, Copper+Silver Plated
- Insulator : PTFE (Polytetrafluoroethylene)
- Outer Conductor : Copper, Tin Plated
- Jacket : PE (Polyethylene)



■ Specification

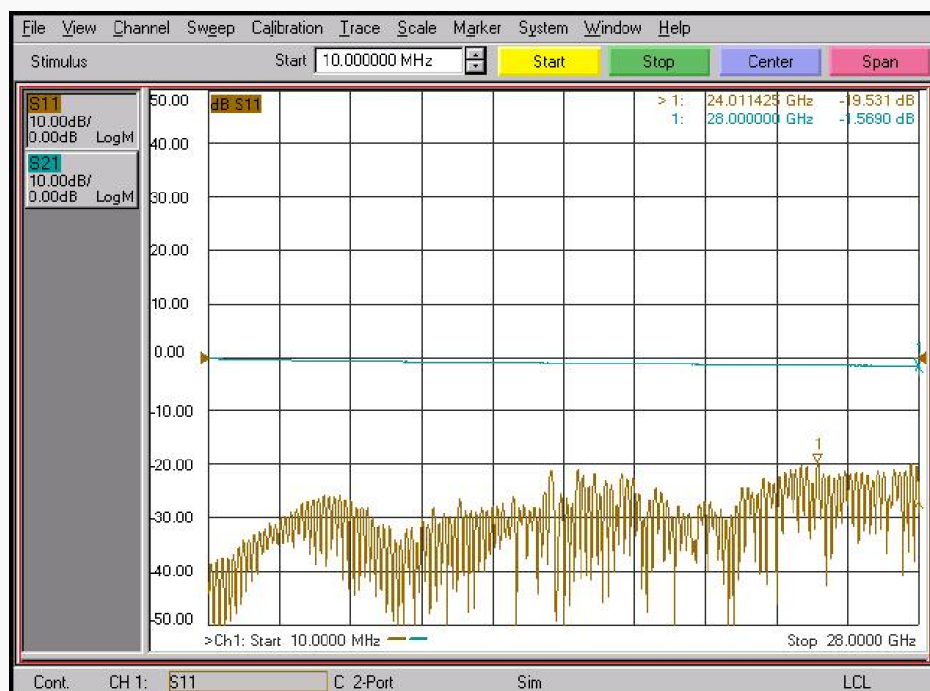
Scope	Specification	SF141S
Physical	Center Conductor (mm)	0.95
	Insulator (mm)	2.95
	Outer Conductor (mm)	3.58
	Jacket	4.60 ± 0.1
Electrical	Characteristic Impedance	50 ± 2 Ohm
	Velocity of Propagation (%)	Typical 71
	Capacitance	92 pF/m
	VSWR (based on connector selection)	< 1.2 to 8 GHz (N-type) < 1.3 to 28 GHz (SMA)
	Attenuation at 25 °C (Typical)	at 4.95 GHz 0.99 dB/m
		at 6.6 GHz 1.18 dB/m
		at 18 GHz 2.24 dB/m
		at 28 GHz 3.00 dB /m
Mechanical & Environmental	Weight (g/M)	47
	Min. bending radius (mm)	8.0 (Static) 40.0 (Repeted)
	Operating Temperature	-40 ~+85°C

■ Test Result

SF141S cable assembly

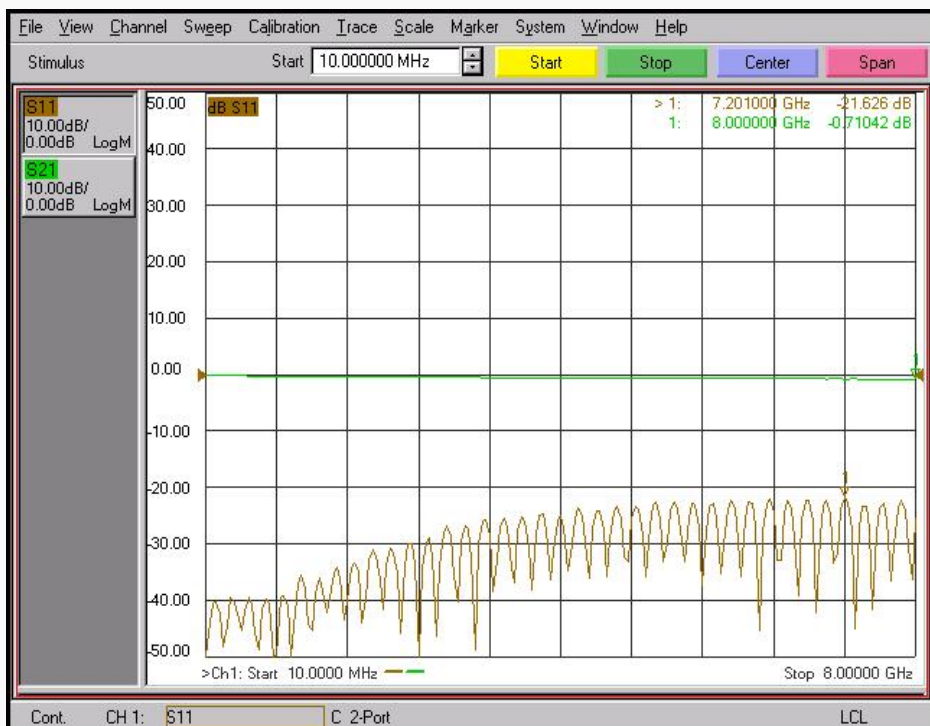
Part No. : SF141S-SMSM1-0.5M

- Frequency : 10 MHz to 28 GHz
- Connector : SMA (Male)
- Cable Length : 0.5 meter



Part No. : SF141S-NM1NM1-0.5M

- Frequency : 10 MHz to 8 GHz
- Connector : N-type (Male)
- Cable Length : 0.5 meter



■ Selection Guide

SF141S- SM1SM1 -0.5M		
<u>Cable Type</u>	<u>Connector Type</u>	<u>Cable Length</u>
SF141S	SM1 : SMA Male NM1 : N-type Male	Unit : Meter

