

# 1mm Cable Assemblies

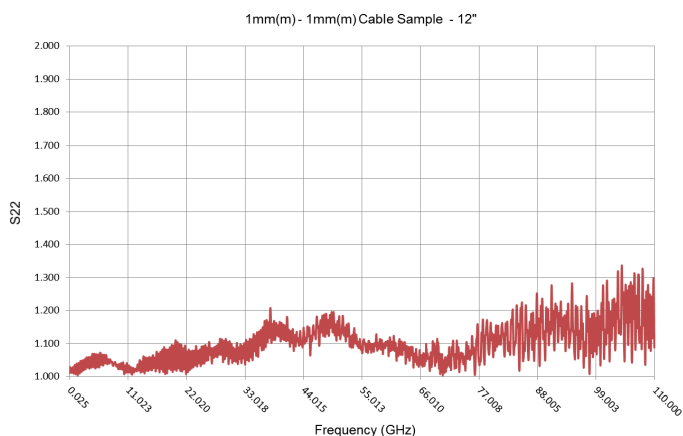
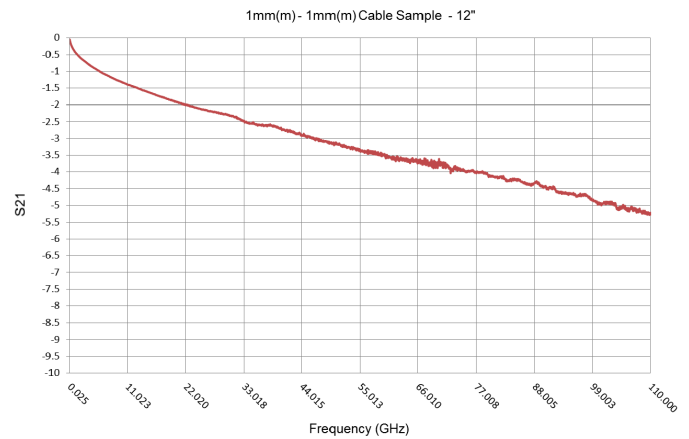
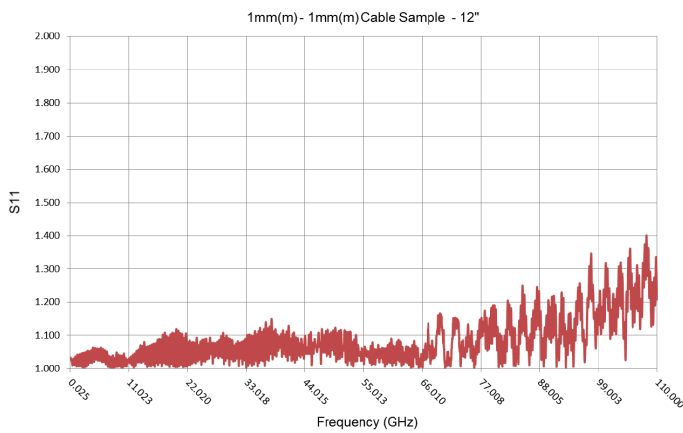


Winchester products, like 1mm Cable Assemblies, are now sold under the Win™ brand from Winchester Interconnect™.

## Product Description

Winchester Interconnect is on the leading edge of partnering with customers seeking a one-stop shop 1mm RF connector, cable, and cable assembly design.

Winchester's leadership in high frequency RF positions Winchester as a partner for interconnect solutions rated up to 110 GHz. At the core of Winchester's high frequency capabilities is our experienced Engineering team that is accustomed to collaborating with customers on solutions with unique requirements. As the performance demands and physical space constraints of the industry continue to evolve, Winchester is committed to innovating with our customers and their application needs.



## Specifications

### Electrical

#### Impedance

50 Ohms Nominal

#### Velocity of Propagation

70% Nominal

#### Shielding Effectiveness

100 dB Minimum  
(Cable Only)

### Dielectric Withstanding Voltage

1.0 Kv

### VSWR

(See Chart)

### Attenuation

(See Chart)

### Mechanical

#### Outer Diameter

0.10"

#### Static Bend Radius

0.50"

#### Weight

0.007 lbs./ft. (Cable Only)

#### Operating Temperature

-50° to 165° C

### Material

#### Inner Conductor

Solid Copper Clad, Silver Plated Steel

#### Dielectric

PTFE

#### Jacket

FEP (Blue Polyolefin over FEP available upon request)

## Frequency

Frequency (GHz)	dB/ft (Cable Only)	VSWR Str-Str Assembly	Frequency (GHz)	dB/ft (Cable Only)	VSWR Str-Str Assembly
0.3	0.19	1.10:1	26.5	2.07	1.35:1
0.5	0.24	1.10:1	28.0	2.14	1.40:1
0.8	0.31	1.10:1	30.0	2.22	1.40:1
1.0	0.35	1.10:1	32.0	2.31	1.40:1
2.0	0.50	1.15:1	34.0	2.40	1.45:1
2.4	0.55	1.15:1	36.0	2.48	1.45:1
3.0	0.62	1.15:1	40.0	2.64	1.50:1
4.0	0.72	1.15:1	45.0	2.83	1.50:1
6.0	0.90	1.15:1	50.0	3.02	1.55:1
8.0	1.05	1.20:1	60.0	3.38	1.55:1
10.0	1.19	1.25:1	67.0	3.61	1.55:1
12.4	1.34	1.30:1	75.0	3.88	1.60:1
15.0	1.49	1.30:1	80.0	4.04	1.60:1
18.0	1.65	1.35:1	90.0	4.35	1.60:1
20.0	1.76	1.35:1	100.0	4.65	1.60:1
22.0	1.86	1.35:1	110.0	4.95	1.60:1
24.0	1.95	1.35:1	24.0	1.95	1.35:1

Bomar  
Continental  
SRC Haverhill  
SRI Connector Gage  
SRI Hermetics  
Tekna Seal  
Winchester

Win

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