

Semi-Flexible Cable Assemblies:

DC - 65GHz(1.85mm/SMPM), DC - 40GHz(2.92mm/SMPM)

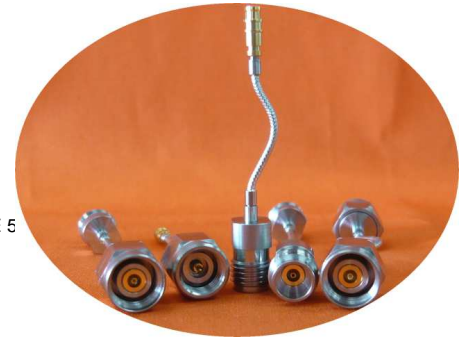
DESCRIPTION The **Semi-Flexible Cable Assemblies**, up to 40 and 65 GHz, **easy to install** on your Labs./Sites, are designed for broadband measurement, instrument and system use. All materials are "lead free".

SPECIFICATIONS:

Insertion Loss : See Fig.1
 Return Loss : See following table
 Temperature Range : -55 to 100 deg.C (-30 to 100 deg.C for Jacket type)
 Length (L) : 35 to 300mm +/-2mm [**] Standard
 (Over 300mm to 1500mm, Considerable)
 With jacket : Available (UL certified heat shrink tube)
 Phase match (Option) : Available (+/- 2 ps or +/- 1 ps)

Interface standards ;

1.85 and 2.92 mm connector;
 Coforming to IEEE-std-287
 SMPM connector;
 As per MIL-STD-348A NOTICE 5
 328.1. SMPM female interface



[**] Please specify length(L: nnnn see following table), when you order this item.

For example: SFCA185MM0035 (Length:35mm)
 SFCA185MM0035J (Length:35mm, with jacket)

Frequency Range	TYPE	Return Loss	Connector Interfaces
DC-65GHz	SFCA185119FFnnnn Female/Female 	Better than 17 dB	1.85mm
	SFCA185119MFnnnn Male/Female 		
	SFCA185119MMnnnn Male/Male 		
	SFCA185F119SMPMnnnn Female/Female 		
	SFCA185M119SMPMnnnn Male/Female 		
DC-40GHz	SFCA292119FFnnnn Female/Female 	Better than 20 dB	2.92mm
	SFCA292119MFnnnn Male/Female 		
	SFCA292119MMnnnn Male/Male 		
	SFCA292F119SMPMnnnn Female/Female 		
	SFCA292M119SMPMnnnn Male/Female 		

Production Status
 Two weeks Lead-Time will be available for shipping.

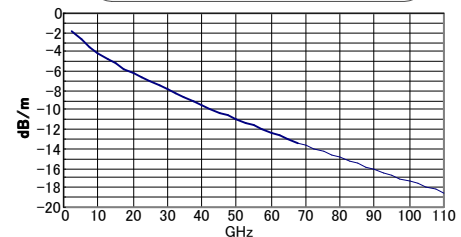
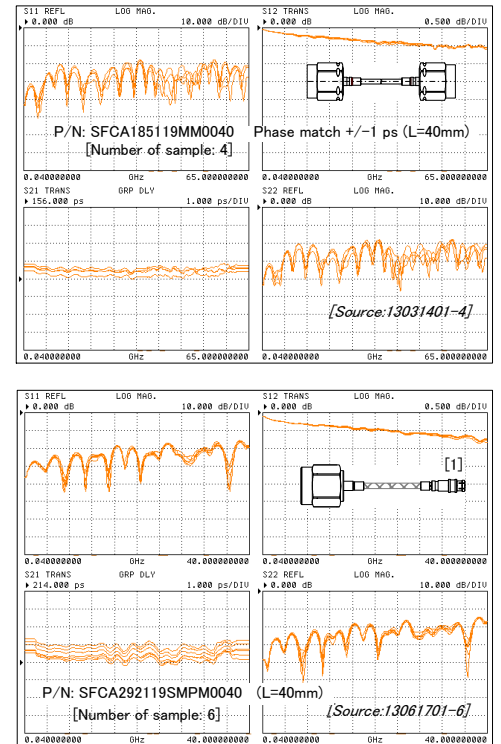


Fig.1 Frequency vs Insertion Loss, L=1000 mm

Typical Performance:



Note ;
 [1] The measured values of the insertion and return loss are included the performances of the SMPM to 1.85mm(or 2.92mm) adaptor.

Cable Properties:

Outer Conductor: ϕ 1.19mm, Tin-soaked copper wire braid
 Center Conductor: Silver plated copper
 Insulator: Solid PTFE
 Moding Freq.: 112GHz(Approx.)
 Delay Time: 1.43ns/300mm
 Inside Bending Radius: 2 mm(min)
 Non-Magnetic



Specifications Subject to Change Without Notice.

Note: All dimensions are in Millimeters.

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