

## Data Sheet

### Microwave Cable Assemblies

PMA SF570E/11PC185/11PC185/24in Part No.: 85184845

### Main characteristics

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SUCOFLEX 570E microwave cable assemblies set a new measurement standard through 70 GHz. Absolute phase matched +/- 1ps.



### Product configuration

Cable Type	SUCOFLEX 570E			
Lenght	610.0 mm 24.0 in REF to REF			
	<b>Type</b>	<b>Series</b>		
Connector A	SF_11_PC185-503	1.85mm	straight	plug
Connector B	SF_11_PC185-503	1.85mm	straight	plug

### Technical data

#### Electrical data

Impedance	50.0 $\Omega$
Operating Frequency max	70.0 GHz
Min. Return Loss	14.0 dB VSWR 1.499
Max. Insertion Loss	4.63 dB
Signal Delay	4.3 ns/m
Propagation Velocity	77.0 %
Screen Effectiveness	$\geq$ 90.0 dB 18.0 GHz
Amplitude stability vs.Flex[ $\pm$ ]	0.1 dB
Phase Stab vs.Flexure	0.28 $^{\circ}$ /GHz

#### Mechanical data

Cable Diameter max	3.3 mm
Minimum Bending Radius Static	11.0 mm
Weight	0.025 kg

#### Environmental data

Operation Temperature Range	-40.0 $^{\circ}$ C ... 85.0 $^{\circ}$ C
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### Additional information

<b>Marketing Information</b>	Return loss figures are guaranteed up to 67 GHz. Absolute phase matched +/- 1ps
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