

# Data Sheet

## Microwave Cable Assemblies

SF570E/11PC185/11PC185/36in Part No.: 85184844

### Main characteristics

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SUCOFLEX 570E microwave cable assemblies set a new measurement standard through 70 GHz



### Product configuration

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Cable Type	SUCOFLEX 570E
Length	914.0 mm 36.0 in REF to REF

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	Type	Series		
Connector A	SF_11_PC185-503	1.85 mm	straight	plug
Connector B	SF_11_PC185-503	1.85 mm	straight	plug

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### Technical data

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#### Electrical data

Impedance	50.0 $\Omega$
Operating Frequency max	70.0 GHz
Min. Return Loss	14.9 dB VSWR 1.439
Max. Insertion Loss	6.48 dB
Signal Delay	43.0 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	0.03 kg

#### Environmental data

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

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#### Marketing Information

Return loss figures are guaranteed up to 67GHz

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