

SUCOFLEX® 550S Microwave Cable Assembly

Description

SUCOFLEX 550S microwave cable assemblies set a new measurement standard through 50 GHz.

- Excellent return and insertion loss
- Phase and amplitude stability with flexure and movement
- Torque, crush and kink resistance
- Precise and repeatable measurements
- Long service life
- Reduce total cost of test with durable, reliable performance



Product Configuration

Description	SF550S/11PC24/21PC24/1000mm
Item number	85118943
Cable type	SUCOFLEX 550S
Length of assembly	1'000 mm
Connector A	SF_11_PC24-501 (straight male)
Connector B	SF_21_PC24-501 (straight female)

Technical Data

Mechanical Data

Outer diameter	6.1 mm
Min. bending radius	25.4 mm
Weight	102 g
Flex life	>100'000 cycles

Environmental Data

Operating temperature	-55 ... + 125°C
2011/65/EC (RoHS)	Compliant

Electrical Data

Impedance	50 Ω
Operating frequency	up to 50 GHz
Velocity of propagation	77 %
Time delay	4.3 ns / m
Typical return loss	-17.0 dB
Min. return loss	-14.9 dB
Typical insertion loss	3.87 dB
Max. insertion loss	4.22 dB
Screening effectiveness	> 90 dB
Typ. amplitude stability vs. shaking	± 0.05 dB
Typ. amplitude stability vs. bending	± 0.05 dB
Typ. phase stability vs. bending	$\pm 6.0^\circ$