

## 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/11SK/21SK/36inch
Item number	85123657
Cable type	SUCOFLEX 550S
Length of assembly	36 inch ( 914 mm)
Connector A	SF_11_SK-501 (straight male)
Connector B	SF_21_SK-501 (straight female)

### Technical Data

#### Mechanical Data

Outer diameter	6.1 mm
Min. bending radius	25.4 mm
Weight	93 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 40 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	3.15 dB
Max. insertion loss	3.61 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	± 5.0°