

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/11SK/36inch |
| Item number | 85120074 |
| Cable type | SUCOFLEX 550S |
| Length of assembly | 36 inch (914 mm) |
| Connector A | SF_11_SK-501 (straight male) |
| Connector B | SF_11_SK-501 (straight male) |

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° |

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