

## Data Sheet

### Microwave Cable Assemblies

SF526E/11PC35/11PC35/24in Part No.: 85207923

### Main characteristics

SUCOFLEX 526E microwave cable assemblies set a new measurement standard through 26.5 GHz



### Product configuration

|             |                |               |            |      |
|-------------|----------------|---------------|------------|------|
| Cable Type  | SUCOFLEX 526E  |               |            |      |
| Length      | 610.0 mm       | 24.0 in       | REF to REF |      |
|             | <b>Type</b>    | <b>Series</b> |            |      |
| Connector A | SF_11_PC35-510 | 3.5mm         | straight   | plug |
| Connector B | SF_11_PC35-510 | 3.5mm         | straight   | plug |

### Technical data

#### Electrical data

|                                 |                                                |
|---------------------------------|------------------------------------------------|
| Impedance                       | 50.0 $\Omega$                                  |
| Operating Frequency max         | 26.5 GHz                                       |
| Min. Return Loss                | 19.0 dB up to 18 GHz<br>16.6 dB up to 26.5 GHz |
| Max. Insertion Loss             | 1.18 dB                                        |
| Signal Delay                    | 4.3 ns/m                                       |
| Propagation Velocity            | 77.0 %                                         |
| Screen Effectiveness            | $\geq 90.0$ dB up to 18.0 GHz                  |
| Amplitude Stability vs. Flexure | +/- 0.1 dB                                     |
| Phase Stability vs. Flexure     | +/- 8°                                         |

#### Mechanical data

|                               |         |
|-------------------------------|---------|
| Cable Diameter                | 5.5 mm  |
| Minimum Bending Radius Static | 16.0 mm |

#### Environmental data

|                             |                      |
|-----------------------------|----------------------|
| Operation Temperature Range | -40.0 °C ... 85.0 °C |
|-----------------------------|----------------------|