

## RF Cable Assembly SF102E/11SK/11SK/914mm Item: 85080288

### Description

The SUCOFLEX 102 high end cable assemblies are designed to provide optimal performance up to 40 GHz where stringent electrical requirements – in particular stability and low loss, are important.



### Product Configuration

|                              |                   |      |          |
|------------------------------|-------------------|------|----------|
| Cable                        | SUCOFLEX 102E     |      |          |
| Type Description Connector A | SF_11_SK-252      |      |          |
| Series Connector A           | 2.92mm            | plug | straight |
| Type Description Connector B | SF_11_SK-252      |      |          |
| Series Connector B           | 2.92mm            | plug | straight |
| Length                       | 914 mm REF to REF |      |          |
|                              | 36 inches         |      |          |

### Technical Data

| Electrical Data                 |                   |              |
|---------------------------------|-------------------|--------------|
| Impedance                       | 50 Ω              |              |
| Operating Frequency (max.)      | 40 GHz            |              |
| Return Loss (min.)              | -14.9 dB          | VSWR : 1.439 |
| Insertion Loss (max)            | 3.08 dB           |              |
| Velocity of propagation         | 77 %              |              |
| Amplitude stability vs. Flexure | ±0.2 dB           |              |
| Phase stability vs. Flexure     | 1.2 ° / GHz       |              |
| Mechanical Data                 |                   |              |
| Diameter cable                  | 4 mm              |              |
| Bending radius static (min.)    | 12 mm             |              |
| Environmental Data              |                   |              |
| Operating temperature           | -40 °C to + 85 °C |              |
| 2011/65/EU (RoHS)               | compliant         |              |
| 2012/19/EU (WEEE)               | relevant          |              |
| 2006/1907/EC (REACH)            | compliant         |              |