# **Data Sheet**



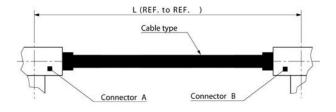
# SUCOFLEX\_Stock Assembly

### **Description**

The SUCOFLEX 126\_E high end cable assemblies are designed to provide optimal performance up to 18 GHz were stringent electrical requirements – in particular stability and low loss, are important.

Product description Item number SF126E/SMAm/SMAm/500mm

85072824



## **Product Configuration**

Cable type SUCOFLEX\_126\_E

Length of assembly 500 mm

Connector A SMA straight male Connector B SMA straight male

### **Technical Data**

#### **Mechanical Data**

Diameter: 5.5 mm
Min. bending radius static 16 mm
Min. bending radius repeated 25 mm
Recommended mating torque (\*) 0.8...1.1 Nm
Weight 53 q

#### **Environmental Data**

 $\begin{array}{lll} \text{Operating temperature} & -40^{\circ}\text{C to} + 85^{\circ}\text{C} \\ \text{Storage temperature} & -40^{\circ}\text{C to} + 85^{\circ}\text{C} \\ \text{RoHS, REACH} & \text{Compliant} \end{array}$ 

#### **Electrical Data**

 $\begin{array}{lll} \text{Impedance} & 50 \ \Omega \\ \text{Operating frequency} & \text{up to 18 GHz} \\ \text{Velocity of propagation} & 77 \ \% \\ \text{Capacitance} & 87 \ \text{pF} \ / \ \text{m} \\ \text{Time delay} & 4.3 \ \text{ns} \ / \ \text{m} \end{array}$ 

Return Loss min. 19.0 dB (up to 18 GHz)
Insertion loss (assembly) max. 0.82 dB (18 GHz, 25°C)
Power handling min. 160 W (18 GHz, sea level, 25°C)
Insertion loss stability vs. bending (\*\*) +/- 0.2 dB (up to 18 GHz)

Insertion loss stability vs. bending (\*\*) +/- 0.2 dB (up to 18 GI Phase stability vs. bending (\*\*) < 0.9° (el/GHz)

#### **General Information**

(\*) H+S torque wrench H+S description: 74\_Z-0-0-21 // material/item number: 22543130

(\*\*) Stability test 360°, diameter 55 mm

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