# **Data Sheet**



# SUCOFLEX\_Stock Assembly

## **Description**

The SUCOFLEX 104 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

SF104/SMAm/SMAm/2000mm 84016757 Cable type

Connector A

Connector B

## **Product Configuration**

Cable typeSUCOFLEX\_104Length of assembly2'000 mmConnector ASMA straight maleConnector BSMA 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 150 g

### **Environmental Data**

Operating temperature  $-55^{\circ}$ C to  $+125^{\circ}$ C Storage temperature  $-40^{\circ}$ C to  $+85^{\circ}$ C RoHS, REACH Compliant

### **Electrical Data**

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

min. 19.0 dB (up to 18 GHz) Return Loss (18 GHz, 25°C) Insertion loss (assembly) max. 2.64 dB (18 GHz, sea level, 25°C) Power handling min. 243 W (up to 18 GHz) Screening effectiveness >60 dBInsertion loss stability vs. bending (\*\*) +/- 0.2 dB (up to 18 GHz) Phase stability vs. bending (\*\*) (el/GHz) < 1.7°

#### **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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