# Data Sheet SUCOFLEX Stock Assembly

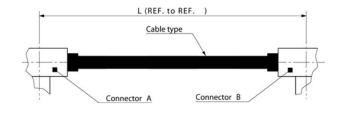


## **Description**

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

Product description Item number

SF102/SKm/SKm/1000mm 84017149



## **Product Configuration**

Cable type Length of assembly Connector A Connector B SUCOFLEX\_102 1'000 mm SK straight male SK straight male

4.0 mm

12 mm

20 mm 0.8...1.1 Nm

50 g

# **Technical Data**

#### **Mechanical Data**

Diameter: Min. bending radius static Min. bending radius repeated Recommended mating torque (\*) Weight

#### **Environmental Data**

Operating temperature Storage temperature RoHS, REACH

#### **Electrical Data**

Impedance Operating frequency Velocity of propagation Capacitance Time delay

Return Loss Insertion loss (assembly) Power handling Screening effectiveness Insertion loss stability vs. bending (\*\*) Phase stability vs. bending (\*\*) - 40°C to + 85°C Compliant

- 55°C to + 125°C

50 Ω up to 40 GHz 77 % 87 pF / m 4.3 ns / m

min. 14.9 dB max. 3.21 dB min. 70 W > 90 dB +/- 0.2 dB < 1.2° (up to 40 GHz) (40 GHz, 25°C) (40 GHz, sea level, 25°C) (up to 18 GHz) (up to 40 GHz) (el/GHz)

### **General Information**

(\*) H+S torque wrench(\*\*) Stability test

H+S description: 74\_Z-0-0-21 // material/item number: 22543130 360°, diameter 40 mm

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