# **Data Sheet**



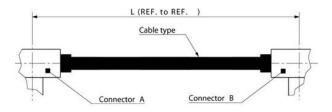
## SUCOFLEX\_Stock Assembly

## **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/500mm

84017146



## **Product Configuration**

Cable typeSUCOFLEX\_102Length of assembly500 mmConnector ASK straight maleConnector BSK straight male

#### **Technical Data**

#### **Mechanical Data**

Diameter: 4.0 mm
Min. bending radius static 12 mm
Min. bending radius repeated 20 mm
Recommended mating torque (\*) 0.8...1.1 Nm
Weight 35 q

#### **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**

min. 14.9 dB (up to 40 GHz) Return Loss (40 GHz, 25°C) Insertion loss (assembly) max. 1.76 dB (40 GHz, sea level, 25°C) Power handling min. 70 W (up to 18 GHz) Screening effectiveness > 90 dBInsertion loss stability vs. bending (\*\*) (up to 40 GHz) +/- 0.2 dB Phase stability vs. bending (\*\*) (el/GHz) < 1.2°

## **General Information**

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

(\*\*) Stability test 360°, diameter 40 mm

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