# **Data Sheet**



# SUCOFLEX\_Stock Assembly

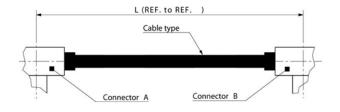
### **Description**

The SUCOFLEX 104 high end cable assemblies are designed to provide optimal performance up to 26.5 GHz were stringent electrical requirements – in particular stability and low loss, are important.

Product description Item number

SF104/PC35m/PC35m/1000mm

84017158



## **Product Configuration**

Cable type SUCOFLEX\_104
Length of assembly 1'000 mm

Connector A PC3.5 straight male Connector B PC3.5 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 85 g

### **Environmental Data**

Operating temperature  $-55^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$  Storage temperature  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  RoHS, REACH Compliant

#### **Electrical Data**

 $\begin{array}{lll} \text{Impedance} & 50~\Omega \\ \text{Operating frequency} & \text{up to 26.5 GHz} \\ \text{Velocity of propagation} & 77~\% \\ \text{Capacitance} & 87~\text{pF}~\text{/}~\text{m} \\ \text{Time delay} & 4.3~\text{ns}~\text{/}~\text{m} \\ \end{array}$ 

min. 16.6 dB (up to 26.5 GHz) Return Loss (26.5 GHz, 25°C) Insertion loss (assembly) max. 1.77 dB (26.5 GHz, sea level, 25°C) Power handling min. 200 W (up to 18 GHz) Screening effectiveness > 90 dBInsertion loss stability vs. bending (\*\*) +/- 0.2 dB (up to 26.5 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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