Data Sheet SUCOFLEX Stock Assembly

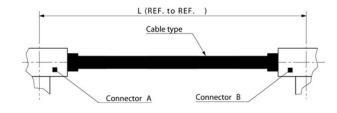


Description

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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