Data Sheet



SUCOFLEX Stock Assembly

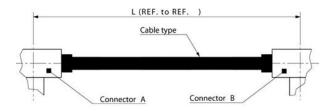
Description

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/500mm

84016754



Product Configuration

SUCOFLEX 104 Cable type Length of assembly 500 mm

Connector A SMA straight male Connector B SMA straight male

Technical Data

Mechanical Data

Diameter: 5.5 mm Min. bending radius static 16 mm Min. bending radius repeated 25 mm 0.8...1.1 Nm Recommended mating torque (*) Weight

Environmental Data

Operating temperature - 55°C to + 125°C Storage temperature - 40°C to + 85°C RoHS, REACH Compliant

Electrical Data

Impedance 50 Ω Operating frequency up to 18 GHz Velocity of propagation 77 % Capacitance 87 pF/m Time delay 4.3 ns / m

min. 19.0 dB (up to 18 GHz) Return Loss (18 GHz, 25°C) Insertion loss (assembly) max. 0.82 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 description: 74_Z-0-0-21 // material/item number: 22543130 H+S torque wrench

(**) Stability test 360°, diameter 55 mm

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS www.hubersuhner.com

Waiver: It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general information purposes only.