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/1500mm 84016756 Cable type

Connector A

Connector B

Product Configuration

Cable typeSUCOFLEX_104Length of assembly1'500 mmConnector ASMA straight maleConnector BSMA 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 125 g

Environmental Data

Operating temperature -55° C to $+125^{\circ}$ C Storage temperature -40° C to $+85^{\circ}$ C RoHS, REACH Compliant

Electrical Data

 $\begin{array}{lll} \text{Impedance} & 50 \ \Omega \\ \text{Operating frequency} & \text{up to 18 GHz} \\ \text{Velocity of propagation} & 77 \ \% \\ \text{Capacitance} & 87 \ \text{pF} \ / \ \text{m} \\ \text{Time delay} & 4.3 \ \text{ns} \ / \ \text{m} \end{array}$

min. 19.0 dB (up to 18 GHz) Return Loss (18 GHz, 25°C) Insertion loss (assembly) max. 2.03 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 torque wrench H+S description: 74_Z-0-0-21 // material/item number: 22543130

(**) 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.