Data Sheet SUCOFLEX Stock Assembly

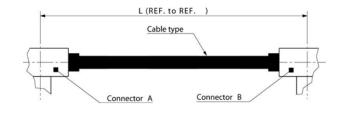


Description

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/Nm/Nm/1500mm 84017067



Product Configuration

Cable type Length of assembly Connector A Connector B SUCOFLEX_104 1'500 mm N straight male N straight male

Technical Data

| Mechanical Data Diameter: Min. bending radius static Min. bending radius repeated Recommended mating torque (*) Weight | 5.5 mm 16 mm 25 mm 1.0 Nm 160 g | |
|--|---|---|
| Environmental Data Operating temperature Storage temperature RoHS, REACH | - 55°C to + 125°C - 40°C to + 85°C Compliant | |
| Electrical Data Impedance Operating frequency Velocity of propagation Capacitance Time delay | 50 Ω up to 18 GHz 77 % 87 pF / m 4.3 ns / m | |
| Return Loss Insertion loss (assembly) Power handling Screening effectiveness Insertion loss stability vs. bending (**) | min. 16.6 dB max. 2.03 dB min. 243 W > 60 dB +/- 0.2 dB | (up to 18 GHz) (18 GHz, 25°C) (18 GHz, sea level, 25°C) (up to 18 GHz) (up to 18 GHz) |

General Information

Phase stability vs. bending (**)

(*) H+S torque wrench(**) Stability test

H+S description: 74_Z-0-0-193 // material/item number: 22645085 360°, diameter 55 mm

(el/GHz)

< 1.7°

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