Data Sheet



SUCOFLEX_Stock Assembly

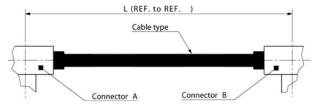
Description

The SUCOFLEX 126_EA 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. Protected by an A-ruggedisation, the SUCOFLEX 126E becomes a flexible and robust test and measurement cable!

Product description Item number

SF126EA/Nm/Nm/1500mm

85072830



Product Configuration

Cable type SUCOFLEX_126_E

A-Ruggedisation Steel wire spring, steel braid, TPU jacket blue

Length of assembly1'500 mmConnector AN straight maleConnector BN straight male

Technical Data

Mechanical Data

Diameter: 10.3 mm
Min. bending radius static 30 mm
Min. bending radius repeated 50 mm
Recommended mating torque (*) 1.0 Nm
Weight 360 g

Environmental Data

 $\begin{array}{lll} \text{Operating temperature} & -40^{\circ}\text{C to} + 85^{\circ}\text{C} \\ \text{Storage temperature} & -40^{\circ}\text{C to} + 85^{\circ}\text{C} \\ \text{RoHS, REACH} & \text{Compliant} \end{array}$

Electrical Data

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

Return Loss min. 19.0 dB (up to 18 GHz)
Insertion loss (assembly) max. 2.03 dB (18 GHz, 25°C)
Power handling min. 144 W (18 GHz, sea level, 25°C)
Insertion loss stability vs. bending (**) +/- 0.2 dB (up to 18 GHz)
Phase stability vs. bending (**) < 0.9° (el/GHz)

General Information

(*) H+S torque wrench H+S description: 74_Z-0-0-193 // material/item number: 22645085

(**) 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.

Document: DOC-xxxxxxxx date of publication: 01.03.2016 uncontrolled copy Page 1/1