Data Sheet



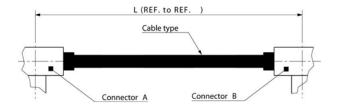
SUCOFLEX Stock Assembly

Description

The SUCOFLEX 126_E high end cable assemblies are designed to provide optimal performance up to 26.5 GHz were stringent electrical requirements – in particular stability and low loss, are important.

Product description Item number SF126E/PC35m/PC35m/1000mm

85072826



Product Configuration

Cable type SUCOFLEX_126_E

Length of assembly 1'000 mm

Connector A PC3.5 straight male PC3.5 straight male PC3.5 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 80 g

Environmental Data

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

Electrical Data

 $\begin{array}{lll} \text{Impedance} & 50~\Omega \\ \text{Operating frequency} & \text{up to 26.5 GHz} \\ \text{Velocity of propagation} & 77~\% \\ \text{Capacitance} & 87~\text{pF}~\text{/}~\text{m} \\ \text{Time delay} & 4.3~\text{ns}~\text{/}~\text{m} \\ \end{array}$

Return Loss min. 16.6 dB (up to 26.5 GHz)
Insertion loss (assembly) max. 1.77 dB (26.5 GHz, 25°C)
Power handling min. 132 W (26.5 GHz, sea level, 25°C)
Insertion loss stability vs. bending (**) +/- 0.2 dB (up to 26.5 GHz)
Phase stability vs. bending (**) < 0.9° (el/GHz)

General Information

(*) H+S torque wrench H+S description: 74_Z-0-0-21 // material/item number: 22543130

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

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