Data Sheet

SUCOFLEX_Stock Assembly

Description

The SUCOFLEX 101_E high end cable assemblies are designed to provide optimal performance up to 50 GHz were stringent electrical requirements – in particular stability and low loss, are important.

Product description

Item number

PMASF101E/11PC24/11PC24/610mm

85080278

Product Configuration

Cable type

SUCOFLEX_101_E

Length of assembly

610 mm

Connector A

PC24 straight male

Connector B

PC24 straight male

Technical Data

Mechanical Data

Diameter:

3.65 mm

Min. bending radius static

11 mm

Min. bending radius repeated

20 mm

Recommended mating torque (*)

0.8…1.1 Nm

Environmental Data

Operating temperature

-40°C to +85°C

RoHS, REACH

Compliant

Electrical Data

Impedance

50 Ω

Operating frequency

up to 50 GHz

Velocity of propagation

77 %

Capacitance

87 pF / m

Time delay

4.3 ns / m

Return Loss

min. 14.9 dB

(up to 50 GHz)

Insertion loss (assembly)

max. 2.71 dB

(50 GHz, 25°C)

Phase matched, absolute

± 1.0 ps

Power handling

min. 32 W

(50 GHz, sea level, 25°C)

Insertion loss stability vs. bending (**)

± 0.2 dB

(up to 50 GHz)

Phase stability vs. bending (**)

< 1.2°

(μ/GHz)

General Information

(*) H+S torque wrench

H+S description: 74_Z-0-0-21 // material/item number: 22543130

(**) Stability test

360°, diameter 40 mm

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