Data Sheet
SUCOFLEX_ Stock Assembly

Description
The SUCOFLEX 10 high end cable assemblies are designed to provide optimal performance up to 18 GHz where stringent electrical requirements – in particular stability and low loss, are important.

Product description SF104/SMAm/Nm/2000mm
Item number 84017159

Product Configuration
Cable type SUCOFLEX_104
Length of assembly 2'000 mm
Connector A SMA straight male
Connector B N 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 SMA (*) 0.8…1.1 Nm
Recommended mating torque N (*) 1.0 Nm
Weight 180 g

Environmental Data
Operating temperature -55°C to +125°C
Storage temperature -40°C to +85°C
RoHS, REACH Compliant

Electrical Data
Impedance 50 Ω
Operating frequency up to 18 GHz
Velocity of propagation 77 %
Capacitance 87 pF / m
Time delay 4.3 ns / m

Return Loss min. 17.7 dB (up to 18 GHz)
Insertion loss (assembly) max. 2.64 dB (18 GHz, 25°C)
Power handling min. 243 W (18 GHz, sea level, 25°C)
Screening effectiveness > 60 dB (up to 18 GHz)
Insertion loss stability vs. bending (**) +/- 0.2 dB (up to 18 GHz)
Phase stability vs. bending (***) < 1.7° (°/GHz)

General Information
(*) H+S torque wrench
SMA-type: H+S description: 74_Z-0-0-21 // material/item number: 22543130
N-type: H+S description: 74_Z-0-0-193 // material/item number: 22645085

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