

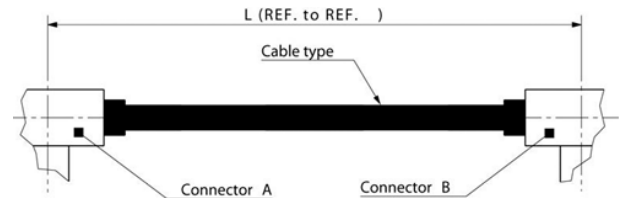
## Data Sheet

# SUCOFLEX\_Stock Assembly

### Description

The SUCOFLEX 104 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
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#### 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°	(el/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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