

# 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/SMAm/1500mm  
**Item number** 84016756



### Product Configuration

Cable type	SUCOFLEX_104
Length of assembly	1'500 mm
Connector A	SMA straight male
Connector B	SMA 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	125 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. 19.0 dB	(up to 18 GHz)
Insertion loss (assembly)	max. 2.03 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 H+S description: 74\_Z-0-0-21 // material/item number: 22543130  
 (\*\*) Stability test 360°, diameter 55 mm