

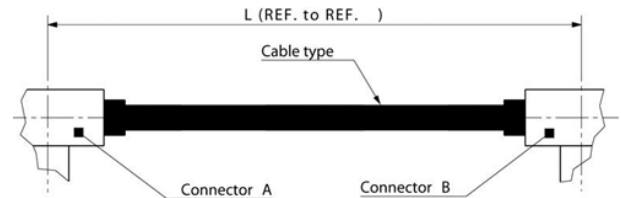
Data Sheet

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/1000mm
Item number 84017155



Product Configuration

Cable type	SUCOFLEX_104
Length of assembly	1'000 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	105 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. 1.43 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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