

# Data Sheet

## SUCOFLEX\_Stock Assembly

### Description

The SUCOFLEX 102E high end cable assemblies are designed to provide optimal performance up to 40 GHz where stringent electrical requirements – in particular stability and low loss, are important. Protected by an A ruggedisation, the SUCOFLEX 102E becomes a flexible and robust test and measurement cable!

**Product description** SF102EA/SKm/SKm/1000mm  
**Item number** 85026756



### Product Configuration

Cable type	SUCOFLEX_102E
A-Ruggedisation	Steel wire spring, steel braid, TPU jacket blue
Length of assembly	1'000 mm
Connector A	SK straight male
Connector B	SK straight male

### Technical Data

#### Mechanical Data

Diameter:	7.7 mm
Min. bending radius static	20 mm
Min. bending radius repeated	40 mm
Recommended mating torque (*)	0.8...1.1 Nm
Weight	139 g

#### Environmental Data

Operating temperature	- 40°C to + 85°C
Storage temperature	- 40°C to + 85°C
RoHS, REACH	Compliant

#### Electrical Data

Impedance	50 Ω
Operating frequency	up to 40 GHz
Velocity of propagation	77 %
Capacitance	87 pF / m
Time delay	4.3 ns / m

Return Loss	min. 14.9 dB	(up to 40 GHz)
Insertion loss (assembly)	max. 3.21 dB	(40 GHz, 25°C)
Power handling	min. 38 W	(40 GHz, sea level, 25°C)
Insertion loss stability vs. bending (**)	+/- 0.2 dB	(up to 40 GHz)
Phase stability vs. bending (**)	< 1.2°	(el/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