

# Data Sheet

## SUCOFLEX\_Stock Assembly

### Description

The SUCOFLEX 126\_EA 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. Protected by an A-ruggedisation, the SUCOFLEX 126E becomes a flexible and robust test and measurement cable!

**Product description** SF126EA/Nm/Nf/1500mm  
**Item number** 85072829



### Product Configuration

Cable type	SUCOFLEX_126_EA
A-Ruggedisation	Steel wire spring, steel braid, TPU jacket blue
Length of assembly	1'500 mm
Connector A	N straight male
Connector B	N straight female

### Technical Data

#### Mechanical Data

Diameter:	10.3 mm
Min. bending radius static	30 mm
Min. bending radius repeated	50 mm
Recommended mating torque (*)	1.0 Nm
Weight	350 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 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. 144 W	(18 GHz, sea level, 25°C)
Insertion loss stability vs. bending (**)	+/- 0.2 dB	(up to 18 GHz)
Phase stability vs. bending (**)	< 0.9°	(el/GHz)

### General Information

(\*) H+S torque wrench H+S description: 74\_Z-0-0-193 // material/item number: 22645085  
 (\*\*) Stability test 360°, diameter 55 mm