

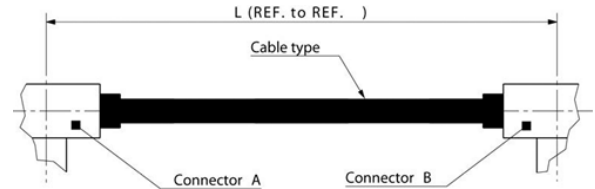
# Data Sheet

## SUCOFLEX\_Stock Assembly

### Description

The SUCOFLEX 101\_E high end cable assemblies are designed to provide optimal performance up to 50 GHz where stringent electrical requirements – in particular stability and low loss, are important.

**Product description** PMASF101E/11PC24/11PC24/610mm  
**Item number** 85080278



### Product Configuration

Cable type	SUCOFLEX_101_E
Length of assembly	610 mm
Connector A	PC24 straight male
Connector B	PC24 straight male

### Technical Data

#### Mechanical Data

Diameter:	3.65 mm
Min. bending radius static	11 mm
Min. bending radius repeated	20 mm
Recommended mating torque (*)	0.8...1.1 Nm

#### Environmental Data

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

#### Electrical Data

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

Return Loss	min. 14.9 dB	(up to 50 GHz)
Insertion loss (assembly)	max. 2.71 dB	(50 GHz, 25°C)
Phase matched, absolute	± 1.0 ps	
Power handling	min. 32 W	(50 GHz, sea level, 25°C)
Insertion loss stability vs. bending (**)	± 0.2 dB	(up to 50 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