

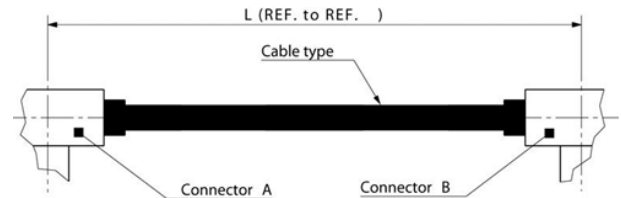
## Data Sheet

# SUCOTEST\_18A\_Stock Assembly

### Description

Sucotest 18A armoured test assemblies offer excellent electrical performance (low insertion loss combined with unique stability and excellent return loss) for heavy duty, outdoor and harsh environment measurements up to 18 GHz.

**Product description** ST18A/Nm/Nm/1500mm  
**Item number** 84013029



### Product Configuration

Cable type	SUCOTEST_18A
Ruggedisation	Steel wire spring, steel braid, TPU jacket blue
Length of assembly	1'500 mm
Connector A	N straight male
Connector B	N straight male

### 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
Waterproof	IP 68
Flex life	100'000 cycles
Weight	300 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. 2.74 dB	(18 GHz, 25°C)
Power handling	min. 120 W	(18 GHz, sea level, 25°C)
Screening effectiveness	> 90 dB	(up to 18 GHz)
Insertion loss stability vs. bending (**)	+/- 0.2 dB	(up to 18 GHz)
Phase stability vs. bending (**)	< 0.7°	(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

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