# **Data Sheet**



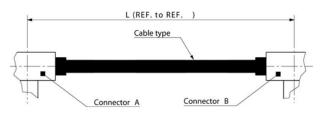
# SUCOTEST\_18A\_Stock Assembly

## **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 Item number ST18A/Nm/Nm/3000mm

84013031



# **Product Configuration**

Cable type SUCOTEST\_18A

Ruggedisation Steel wire spring, steel braid, TPU jacket blue

Length of assembly3'000 mmConnector AN straight maleConnector BN 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**

 $\begin{array}{lll} \text{Operating temperature} & -40^{\circ}\text{C to} + 85^{\circ}\text{C} \\ \text{Storage temperature} & -40^{\circ}\text{C to} + 85^{\circ}\text{C} \\ \text{RoHS, REACH} & \text{Compliant} \end{array}$ 

#### **Electrical Data**

Return Loss min. 19.0 dB (up to 18 GHz)
Insertion loss (assembly) max. 5.30 dB (18 GHz, 25°C)
Power handling min. 120 W (18 GHz, sea level

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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