HUBER+SUHNER® DATA SHEET RF ASSEMBLIES

Test Lead: TL-8A Rev.: A



Description

Test Lead assembly for indoor applications (Test and Measurement) consisting of a high flexible PE foamed cable with armouring protection and 2x SMA male straight connectors for frequency up to 8 GHz.

ID (Material/Item No.) **85014640**

Description (Product) TL-8A-11SMA-03000-51



Product Configuration

Cable type $50\Omega + 1\Omega$, PE Foam double screen

Armour Steel wire spring, steel braid, TPU blue, max. dia. 10.4 mm

Length of Assembly 3000 mm +/- 30 mm

Connector A SMA straight male, hex. 8 mm, Quick-Lock

Nut: steel; Body: steel; Center Contact: Cu-Be/Gold Connector B SMA straight male, hex. 8 mm, Quick-Lock

Nut: steel; Body: steel; Center Contact: Cu-Be/Gold

Cable entry protection PA, black

Technical Data

Mechanical Data

Mating cycle *)> 3000Bending Radius repeated (min.)55 mm (preferred: 100 mm)Tensile Force (max.)200 NConnector interfaceIEC 61169-15 / MIL-STD-348A/310Recom. mating torque **)1.0 NmWeight0.525 kg

Environmental Data

Operating Temperature - 5°C to + 85°C Storage Temperature - 40°C to + 85°C RoHS, REACH compliant

Water protection SMA-Connector without gasket on Interface

Electrical Data

Return Loss
Attenuation (assembly)
Power handling
Screening effectiveness
Insertion Loss stability ****)
Phase stability ****)

4 GHz 1 GHz Frequency 2 GHz 3 GHz 6 GHz 8 GHz equal or better - 31 dB - 27 dB - 25 dB - 25 dB - 24 dB - 21 dB 1.01 dB 1.54 dB 2.00 dB 2.42 dB 3.19 dB 3.91 dB typically, at 25°C 105 W 75 W sea level, at 40°C 150 W 80 W 62 W 55 W > 80 dB > 76 dB > 70 dB > 65 dB > 60 dB> 50 dB< 0.02 dB< 0.03 dB< 0.04 dB < 0.05 dB< 0.08 dB< 0.10 dB +/- 1.5° el. +/- 2.5° el. +/- 4° el. +/- 5° el. +/- 8° el. +/- 10° el.

General Information

*) Number of Mating With use of torque wrench at recommended value, clean interface after each 20 matings,

mated with connector according IEC or MIL standard

H+S torque wrench H+S description: 74_Z-0-0-21 // material/item number: 22543130

*****) Stability test One, 180° revers bends, 75 mm radius mandrel

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

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