HUBER+SUHNER® DATA SHEET RF ASSEMBLIES Test Lead: TL-P

Rev.: A



Description

High flexible Test Lead for Passive Intermodulation (PIM) and Return Loss with armour cable and 1x DIN 7/16 male straight and 1x N male straight connectors for frequency up to 4 GHz.

ID (Material/Item No.) **85027453**

Description (Product) **TL-P-11716-11N-03000-51**



Product Configuration

Length of Assembly 3000 mm +/- 30 mm (118.1 +/- 1.18 in)
Connectors DIN 7/16 straight male / N straight male

Coupling nuts: Steel / DIN: Hex.32 mm, N: HEX.19 mm

Body: Brass / SUCOPLATE®,
Center Contact: Cu-Be / Gold plated
Inner Conductor: Copper / Silver plated wire

Dielectric: PTFE

Outer Conductor: Braid / Tin plated

Jacket Armour: TPU black / max. Ø 10.4 mm

Technical Data

Cable

Mechanical Data

 Connector Interface
 IEC 61169-4 /16
 Bending Radius:
 min. 50 mm (1.97 in)

 Mating cycle *)
 > 2000
 repeated (50x) min. 80 mm (3.15 in)

 Retention Force
 < 200 N</td>
 dynamic min. 110 mm (4.30 in)

 Weight
 0.590 kg (1.30 lb)

 Mating Torque (Recom.)
 DIN: 20 Nm / N: 3 Nm

Crush Resistance 80 kN/m

Environmental Data

Operating Temperature - 15°C to + 65°C Installation Temperature - 10°C to + 55°C Storage Temperature - 40°C to + 85°C ROHS, REACH compliant

Water protection IP 67, in mated condition

Electrical Data

Screening effectiveness > 100 dB up to 4 GHz Passive Intermodulation **) ≥ -117 dBm (-160 dBc)

1.0 GHz 2.0 GHz 3.0 GHz 4.0 GHz Frequency Return Loss - 29 dB - 26 dB - 23 dB - 20 dB Attenuation (max. at 25°C) 1.45 dB 2.10 dB 2.60 dB 3.05 dB Power handling (seal level at 40°C) 560 W 390 W 320 W 280 W

General Information

*) Number of Mating With use of torque wrench at recommended value, clean interface after each 20 mating's.

Mated with connectors according IEC or MIL standard.

**) PIM Testing 100%, according IEC 62037-2

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

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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