



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

According to IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

**Documents**

Assembly instruction 32 A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Coupling nut
- Dielectric
- Gasket

**Material**

- Brass
- CuBe or equiv.
- CuBe or equiv.
- PTFE
- Silicone

**Plating**

- AuroDur®, gold plated
- AuroDur®, gold plated
- Gold, 0.1  $\mu$ m min.

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz]
Insertion loss	≤ 0.03 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB @ DC to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 500
Coupling nut retention	≥ 270 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

**Environmental data**

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

UT 47

**Weight**

Weight 5.1 g/pce

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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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