



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

### Interface

According to  
Mechanically compatible with

IEC 60169-23  
RPC-2.92 and SMA

### Documents

Assembly instruction

03 A

### Material and plating

#### Connector parts

Center contact  
Outer contact  
Coupling nut  
Dielectric  
Gasket  
Solder sleeve

#### Material

CuBe  
Stainless steel  
Stainless steel  
COP  
Silicone  
Brass

#### Plating

Gold, min. 1.27  $\mu$ m, over chemical nickel  
Passivated  
Passivated  
Gold, 0.1  $\mu$ m min.

**Electrical data**

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 25 dB, DC to 26.5 GHz
Insertion loss	≤ 0.03 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Proof voltage (at sea level)	1000 V rms
Working voltage (at sea level)	335 V rms
RF-leakage	≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation: axial	≥ 27 N
radial	≥ 0.01 Nm
Coupling test torque	1.70 Nm
Coupling torque recommended	0.80 Nm to 1.10 Nm

**Environmental data**

Temperature range	-40 °C to +125 °C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

UT 141 / RTK-FS 141 / RTK-Flex 402

**Weight**

13.4 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Herbert Babinger	05.05.04	H. Babinger	02.03.21	d00	20-1016	A. Youmsi	02.03.21

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