



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

**Interface**

According to IEC 457-2

**Documents**

Assembly instruction 02 A3

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	Beryllium copper	Gold, min. 1.27 $\mu$ m, over nickel
Outer contact	Beryllium copper	Gold, min. 1.27 $\mu$ m, over chemical nickel
Body	Stainless steel	Passivated
Coupling nut	Stainless steel	Passivated
Dielectric	PPE	
Solder sleeve	Brass	Gold, 0.1 $\mu$ m min.

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 26 dB, DC to 18 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 0.1 mΩ
Test voltage	1000 V rms
Working voltage	335 V rms
RF-leakage	≥ 120 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 5000
Center contact captivation	≥ 28 N
Coupling test torque	1.95 Nm
Recommended torque	1.36 Nm

**Environmental data**

Temperature range	-40°C to +85°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
2002/95/EC (RoHS)	compliant

**Tooling**

N/A

**Suitable cables**

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

**Packing**

Standard	1 pce in bag
Weight	47.2 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
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