



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

**Interface**

According to IEC 61169-32  
Mechanically compatible with RPC-2.40

**Documents**

Assembly instruction 02 A3  
Panel piercing B 71

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric  
Solder sleeve

**Material**

Beryllium copper  
Stainless steel  
PEEK  
Brass

**Plating**

Gold, min. 1.27 µm, over chemical nickel  
Passivated  
Gold, 0.1 µm min.

**Electrical data**

Impedance	50 $\Omega$
Frequency	DC to 70 GHz
Return loss	$\geq 20$ dB, DC to 70 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 5$ G $\Omega$
Center contact resistance	$\leq 4.0$ m $\Omega$
Outer contact resistance	$\leq 2.5$ m $\Omega$
Test voltage	500 V rms
Working voltage	150 V rms
RF-leakage	$\geq 100$ dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	$\geq 500$
Center contact captivation	$\geq 20$ N
Coupling test torque	1.65 Nm
Recommended torque	0.80 Nm to 1.10 Nm

**Environmental data**

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance 2002/95/EC (RoHS)	IEC 61169-1, Subclause 9.4.3 compliant

**Tooling**

N/A

**Suitable cables**

UT 70-LL

**Packing**

Standard	1 pce in bag
Weight	13.6 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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