



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

**Interface**

According to IEC 60169-9, CECC 22140, US MIL-C-39012

**Documents**

Assembly instruction 59 G2

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Body
- Dielectric
- Coupling nut
- Crimping ferrule

**Material**

- Beryllium copper
- Brass
- Brass
- PTFE
- Brass
- Copper

**Plating**

- Auro Dur, gold plated
- Auro Dur, gold plated
- Gold, min. 0.8 µm, over nickel
- Gold, 0.1 µm min.
- Gold, 0.1 µm min.

**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 25 dB, DC to 1 GHz ≥ 20 dB, 1 to 3 GHz ≥ 18 dB, 3 to 6 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms, 50 Hz, at sea level
Working voltage	≤ 250 V rms, 50 Hz, at sea level
RF-leakage	≥ 90 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	min. 500
Coupling nut retention	≥ 150 N
Coupling test torque	max. 0.71 Nm
Recommended torque	0.25 Nm to 0.35 Nm
Center contact captivation: axial	≥ 10 N

**Environmental data**

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Moisture resistance	MIL-STD-202, Meth. 106
Corrosion	MIL-STD-202, Meth. 101, Cond B
RoHS	compliant

**Tooling**

Crimping tool	11W150-000
Crimp insert	11W150-402

**Suitable cables**

RG 178

**Weight**

Weight	2.1 g/pce
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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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