



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

**Interface**

According to MIL-DTL-3643

**Documents**

Assembly instruction 43 A2

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	Brass	Silver, 3-6 µm
Outer contact	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	
Crimping ferrule	Copper	Nickel, 2.5-5 µm

**Electrical data**

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 20 dB, DC to 2 GHz ≥ 17 dB, 2 to 4 GHz
Insertion loss	≤ 0.1 dB
Insulation resistance	≥ 10 <sup>4</sup> MΩ
Center contact resistance	≤ 8 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	3500 V rms
Working voltage	2500 V rms
RF-leakage	≥ 128 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	min. 500
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

**Environmental data**

Temperature range	-65°C to +155°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. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106

**Tooling**

Crimping tool	11W150-000
Crimp insert	11W150-215

**Suitable cables**

RG 214 /U

**Packing**

Standard	1 pce in bag
Weight	45.7 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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