



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

**Interface**

According to MIL-STD-348

**Documents**

Assembly instruction 19 E13

**Material and plating**

**Connector parts**

Center contact	CuBe
Outer contact	CuBe
Dielectric	PTFE

**Plating**

AuroDur®, gold plated  
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**Electrical data**

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 25 dB, DC to 18 GHz ≥ 18 dB, 18 to 40 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	
if mating part is smooth bore	≥ 1000
if mating part is limited detent	≥ 500
if mating part is full detent	≥ 100
Engagement force	
- smooth bore	9 N max.
- limited detent	45 N max.
- full detent	68 N max.
Disengagement force	
- smooth bore	2.2 N min.
- limited detent	9 N min.
- full detent	22 N min.

**Environmental data**

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

UT 47 and similar

**Weight**

Weight 0.3 g/pce

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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
König A.	21.12.06	Chr. Janßen	26.10.20	e00	20-1927	S. Huber-Siegl	26.10.20
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