



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

**Interface**

According to

MIL-STD-348

Mateable with GPPO™ (Gilbert Engineering Co., Inc.)  
and SSMP™ (Connectors Devices, Inc.)

**Documents**

Assembly instruction

18 B1

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric

**Material**

CuBe  
CuBe  
Brass  
PTFE

**Plating**

AuroDur®, gold plated  
AuroDur®, gold plated  
AuroDur®, gold plated

**Electrical data**

Impedance	50 Ω
Frequency	DC to 65 GHz
Return loss	≥ 26 dB, DC to 6 GHz ≥ 20 dB, 6 to 12 GHz ≥ 17 dB, 12 to 18 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Working voltage (at sea level)	325 V rms
(at 70000 feet)	125 V rms

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	
if mating part is smooth bore	≥ 500
if mating part is full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- smooth bore	11 N typical
- full detent	19 N typical
Disengagement force	
- smooth bore	11 N typical
- full detent	29 N typical

**Environmental data**

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition A
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Climatic Category	IEC 60068 55/155/21
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

UT 85-M17, RG 405 /U

**Weight**

Weight 0.4 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.

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



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
J. Wengler	25.01.08	Chr. Janßen	20.10.20	e00	20-1927	S. Huber-Siegl	20.10.20
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