



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

Interface

According to MIL-STD-348

Documents

Assembly instruction 19 C

Material and plating

Connector parts

Center contact	CuBe
Outer contact	CuBe
Body	Brass
Dielectric	PTFE
Crimping ferrule	Copper

Plating

AuroDur®, gold plated
 AuroDur®, gold plated
 AuroDur®, gold plated
 Gold, 0.1 µm

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 22 dB, DC to 4 GHz ≥ 20 dB, 4 to 12 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 12 GHz
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
Center contact captivation	≥ 7 N
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

Crimping tool	11W150-000
Crimp insert	11W150-103

Suitable cables

RG 316 /U-d, K02252d

Weight

Weight 0.9 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.



Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	17.08.04	Chr. Janßen	27.10.20	g00	20-1927	S. Huber-Siegl	27.10.20

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de		Page 2 / 2	
--	--	--	--	--	--	---------------	--