



All dimensions are in INCHES [mm]

**Interface**

According to

Rosenberger WSMP™ Interface standards

**Documents**

Assembly instruction

TBD

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Body
- Dielectrics
- Cable Stop

**Material**

- CuBe
- CuBe
- CuBe
- PTFE
- Ultem® 1000

**Plating**

- Gold, min. 1.27 μm, over nickel
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RF\_35/05.10/6.0

**Electrical data**

Impedance	50 Ω
Frequency	DC to 100 GHz
Return loss (typical)	≥ 26 dB, DC to 26.5 GHz ≥ 15 dB, 26.5 to 65 GHz
Insertion loss	≤ 0.12 x √f(GHz) dB
Insulation resistance	≥ 3.5 x10 <sup>3</sup> MΩ
Center contact resistance	≤ 2.0 mΩ
Outer contact resistance	≤ 6.0 mΩ
Test voltage (at sea level)	250 V rms
RF High Potential (at sea level)	150 V rms @ 5 MHz
RF-leakage	≥ -80 dB (typical mated pair)

- Limitations are possible due to the used cable type

**Mechanical data**

Mating cycles	
- Full Detent mating plug	≥ 100
- Smooth Bore mating plug	≥ 500
Engagement force (typical)	
- Full Detent	11 N [2.5 lbs <sub>f</sub> ]
- Smooth Bore	5.3 N [1.2 lbs <sub>f</sub> ]
Disengagement force (typical)	
- Full Detent	20 N [4.5 lbs <sub>f</sub> ]
- Smooth Bore	4.5 N [1.0 lb <sub>f</sub> ]

**Environmental data**

Temperature range	-55° to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance 2002/95/EC (RoHS)	MIL-STD-202, Meth. 106, except Step 7B compliant

**Tooling**

Extraction tool	W1W001-000
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**Suitable cables**

UT 47 or RTK 047 or RTK-Flex 047

**Packing**

Standard	100 pcs in a bag
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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
Jac Havener	6/22/2011	Paul Czikota	6/22/2011	a00	13-s000	Paul Czikota	4/4/2013

Rosenberger of North America, LLC  
 P.O. Box 309 Akron, PA USA 17501  
[www.rosenbergerna.com](http://www.rosenbergerna.com)

Tel. : +1.717.859.8900  
 Fax : +1.717.859.7044  
 Email : [info@rosenbergerna.com](mailto:info@rosenbergerna.com)

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