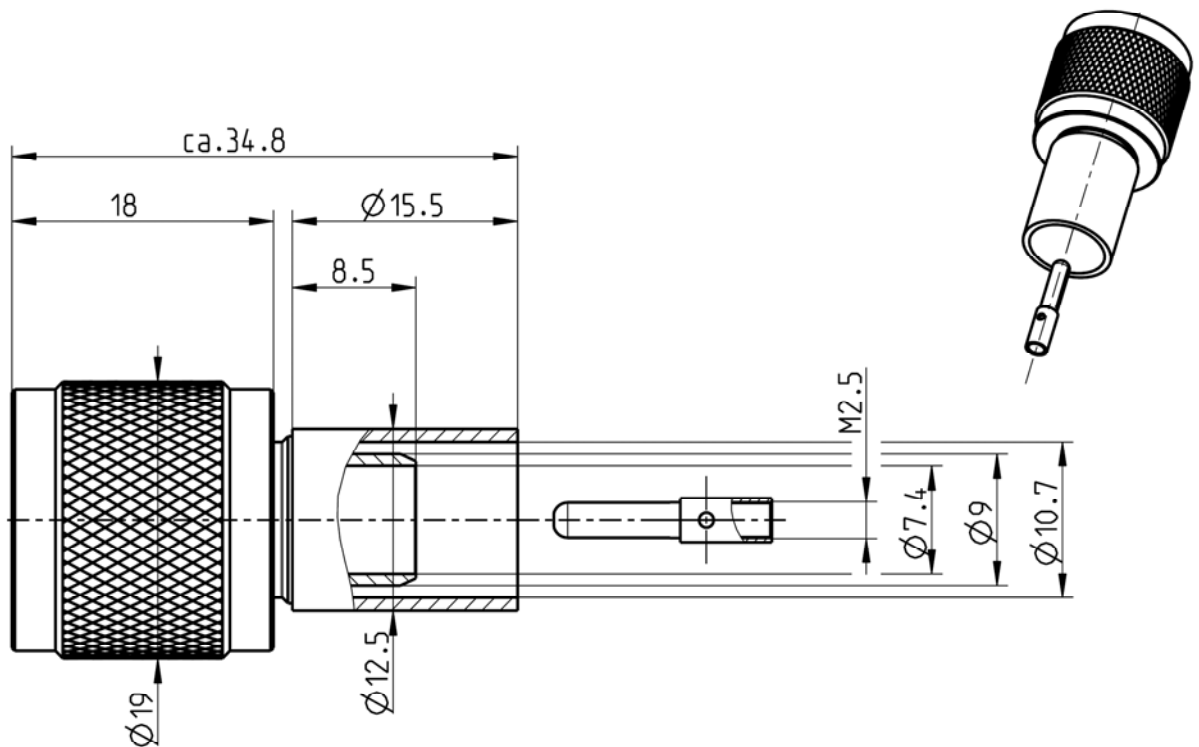




All dimensions are in mm; tolerances according to ISO 2768 m-H

#### Interface

According to IEC 60169-12

#### Documents

Assembly instruction 54 E1

#### Material and plating

##### Connector parts

Center contact  
Outer contact  
Body  
Dielectric  
Coupling nut

##### Material

Brass  
Brass  
Brass  
PTFE  
Brass

##### Plating

Silver, 3-6 µm  
Nickel, 2.5-5 µm  
Nickel, 2.5-5 µm  
  
Nickel, 2.5-5 µm

**Electrical data**

|                                                |                                      |
|------------------------------------------------|--------------------------------------|
| Impedance                                      | N/A                                  |
| Frequency                                      | DC to 300 MHz                        |
| Insulation resistance                          | $\geq 5 \times 10^3 \text{ M}\Omega$ |
| Center contact resistance                      | $\leq 5 \text{ m}\Omega$             |
| Outer contact resistance                       | $\leq 5 \text{ m}\Omega$             |
| Test voltage                                   | 2000 V rms                           |
| Working voltage                                | 750 V rms                            |
| Contact current (DC)                           | $\leq 10 \text{ A typ.}$             |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 400 W typ. @ 300 MHz                 |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                                   |                     |
|-----------------------------------|---------------------|
| Mating cycles                     | min. 500            |
| Center contact captivation: axial | $\geq 50 \text{ N}$ |

**Environmental data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -25°C to +70°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. G |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| 2002/95/EC (RoHS)   | compliant                       |

**Tooling**

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

**Suitable cables**

RG 213 /U

**Packing**

|          |               |
|----------|---------------|
| Standard | 50 pcs in bag |
| Weight   | 31.94 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          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|----------|------|--------------------------------------------------------------------------------------------------------------------|----------------|---------------|
| M. Schmid                                                                                                                                              | 07/07/09 | F. Schmidhammer | 15/07/09 | A00  | 09-0003                                                                                                            | Wallner Markus | 14/07/09      |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br><a href="http://www.rosenberger.de">www.rosenberger.de</a> |          |                 |          |      | Tel.: +49 8684 18-0<br>Fax: +49 8684 18-499<br>email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a> |                | Page<br>2 / 2 |