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### **Technical Data Sheet**

#### Cable assembly RPC-2.92 jack / RPC-SL 40 GHz jack – RTK 106 VA Armour

# Rosenberger

## LU1-022-XXX

Stability data
Insertion loss stability:
After 90° bending

 $\leq$  0.03 dB, DC to 4 GHz  $\leq$  0.08 dB, 4 GHz to 40 GHz

 $\leq$  1.3°, DC to 4 GHz  $\leq$  6.0°, 4 GHz to 40 GHz

 $\leq$  1.0°, DC to 4 GHz  $\leq$  4.0°, 4 GHz to 40 GHz

Straight after 3x90° bending

Return loss stability: After 90° bending

 $\geq$  45 dB, DC to 4 GHz  $\geq$  35 dB, 4 GHz to 40 GHz

## Individual testing and documentation:

Stability data is tested according to the specification.

Measurement plot with all 4 S-Parameters (S11; S22; S21; S12) and the care and handling instruction are included with the cable assembly. Auxiliary adaptors used are mentioned in the commentary field.

Mechanical data Minimum bend radius:	60 mm							
Environmental data Operating temperature range <sup>2</sup> Rated temperature range of use <sup>3</sup> Storage temperature range RoHS	+20 °C to +26 °C 0 °C to +50 °C -40 °C to +85 °C compliant							
<ul> <li>2 Temperature range over which these specification are valid.</li> <li>3 This range is underneath and above the operating temperature range, within the cable assembly is fully functional and could be used without damage.</li> </ul>								

#### Recommended accessories

Wooden case with foam inlay<sup>4</sup>

4 Supports two assemblies, for length 600 mm available only.



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.

VA\_CASE-001

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