

, Ц

### **Technical Data Sheet**

#### Cable assembly RPC-2.40 jack / RPC-SL 40GHz jack – RTK 106 VA Armour

# Rosenberger

## LU1-004-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>	+20 °C to +26 °C							
Rated temperature range of use <sup>3</sup>	0 °C to +50 °C							
Storage temperature range	-40 °C to +85 °C							
RoHS	compliant							
2 Temperature range over which these specification ar 3 This range is underneath and above the operating te and could be used without damage.	ature range over which these specification are valid. Inge is underneath and above the operating temperature range, within the cable assembly is fully functional							

#### **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

Draft	Date	Approved	Date		Rev.	Engineering change number	Name		Date	
Florian Reiner	30.05.16	Roland Neuhauser	14.01.20		h00	20-0086	Roland Neuhaus	ser	14.01.20	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel. : +49 8684 18-0 Email : <u>info@rosenberger.de</u>				Page	
								2/2		

RF\_35/09.14/6.2