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## **Technical Data Sheet**

## Rosenberger

Cable assembly RPC-1.85 Jack / Plug - RTK 092-70 - VA Armour

## LU5-107-XXX

Stability data	
Insertion loss stability:	
After 90° bending	≤ 0.03 dB, DC to 4 GHz ≤ 0.10 dB, 4 GHz to 20 GHz
	$\leq$ 0.20 dB, 20 GHz to 50 GHz
	$\leq$ 0.30 dB, 50 GHz to 70 GHz
	,
	≤ 1.0°, DC to 4 GHz ≤ 3.0°, 4 GHz to 20 GHz
	$\leq$ 5.0°, 4°GH2 to 20°GH2 $\leq$ 7.0°, 20°GHz to 70°GHz
Straight after 3x90° bending	$\leq$ 1.0°, DC to 4 GHz
5	$\leq$ 2.0°, 4 GHz to 20 GHz
	≤ 4.0°, 20 GHz to 70 GHz
<b>—</b>	
Return loss stability:	
After 90° bending	$\geq$ 45 dB, DC to 20 GHz
	$\geq$ 35 dB, 20 GHz to 50 GHz
	$\geq$ 30 dB, 50 GHz to 70 GHz
Individual testing and	
documentation:	

## 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 are valid.

3 This range is underneath and above the operating temperature range, within the cable assembly is fully functional and could be used without damage.

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
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