



All dimensions are in mm; tolerances: $\pm 3\text{mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$

Available variants

Type	max. Insertion loss at 70 GHz	Marking	Weight (g) / pce
LU5-101-XXX	$\leq 0.00639\text{ dB/mm} * A\text{ mm} + 0.9\text{ dB}$	ROSENBERGER YYYY-WW LU5-101-XXX FAC-RRRRRRR ssss	$0.0164\text{ g/mm} * A\text{ mm} + 21\text{ g}$

XXX – length in mm = A

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

Assembly parts

Connector left	RPC-1.85 plug	08S121-2U5S3
Connector right	RPC-1.85 jack	08K121-2U5S3
Cable	RTK 092-70	

Electrical data

Impedance	50 Ω
Frequency	DC to 70 GHz
Return loss ¹	$\geq 14\text{ dB}$, DC to 70 GHz
Insertion loss ¹	see table available variants

Individual testing and documentation:

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

¹ Return Loss and Insertion Loss includes the measurement adaptor

Technical Data Sheet

Rosenberger

Cable assembly - Standardportfolio
RPC-1.85 Plug / RPC-1.85 Jack – RTK 092-70

LU5-101-XXX

Mechanical data

Minimum bend radius:

Single	3.3 mm
Multiple	38.1 mm

Environmental data

Temperature range	-40°C to +85°C
RoHS	compliant

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
Martin Moder	18/08/14	Herbert Babinger	01/10/15	c00	15-1326	B. Zimmerle	01/10/15

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de	Tel. : +49 8684 18-0 Email : info@rosenberger.de	Page 2 / 2
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