



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

**Available variants**

Type	"A" (mm)	"C" (mm)	Insertion loss ≤ (dB) at 50 GHz	Marking	Weight (g) / pce
LU8-001-500	500	20±3	2.40	ROSENBERGER WW/YY XXX LU8-001-500	28
LU8-001-750	750	20±3	3.40	ROSENBERGER WW/YY XXX LU8-001-750	35
LU8-001-1000	1000	20±3	4.40	ROSENBERGER WW/YY XXX LU8-001-1000	41
LU8-001-1500	1500	20±3	6.40	ROSENBERGER WW/YY XXX LU8-001-1500	54

WW - week  
YY - year  
XXX – serial no.

**Documents**

Technical data sheet connectors	RPC-2.40 plug	09S121-2U1S3
	RPC-2.40 jack	09K121-2U1S3
Technical data sheet cable	RTK 125	

**Assembly parts**

Connector left	RPC-2.40 plug	09S121-2U1S3
Connector right	RPC-2.40 jack	09K121-2U1S3
Cable	RTK 125	

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF\_35/05:10/6.0

**Technical Data Sheet****Rosenberger**Cable assembly - Standardportfolio  
RPC-2.40 Plug / RPC-2.40 Jack – RTK 125**LU8-001-XXX****Electrical data**

Impedance	50 $\Omega$
Frequency	DC to 50 GHz
Return loss	$\geq 16.5$ dB, DC to 50 GHz
Insertion loss	see table available variants
RF-leakage	$\geq 100$ dB up to 1 GHz

**Mechanical data**

Minimum bend radius:	
Single	5.10 mm
Multiple	16 mm

**Environmental data**

Temperature range	-40°C to +85°C
2002/95/EC (RoHS)	compliant

**Packing**

Standard	1 pce in box
----------	--------------

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	06/02/12	Herbert Babinger	15/02/12	a00	12-s084	M. Rahberger	15/02/12
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2