



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



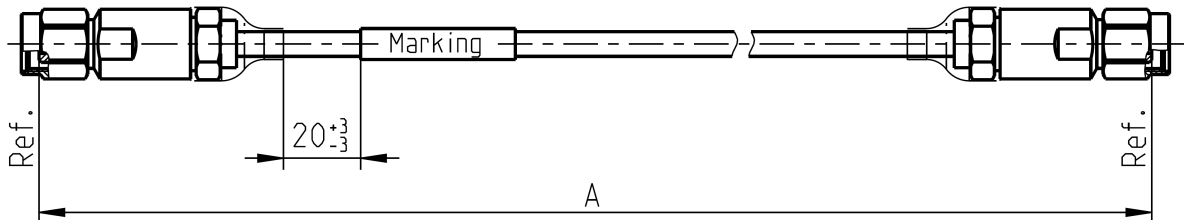
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All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm

**Available variants**

Type	max. Insertion loss at 50 GHz	Marking	Weight (g) / pce
LU8-002-XXX	≤ 0.00397 dB/mm * A mm + 0.90 dB	ROSENBERGER YYYY-WW LU8-002-XXX FAC-RRRRRRR ssss	0.0263 g/mm * A mm + 20 g

XXX – length in mm = A

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

**Assembly parts**

Connector left	RPC-2.40 plug	09S121-2U8S3
Connector right	RPC-2.40 plug	09S121-2U8S3
Cable	RTK 125	

**Electrical data**

Impedance	50 Ω
Frequency	DC to 50 GHz
Return loss <sup>1</sup>	≥ 16,5 dB, DC to 50 GHz
Insertion loss <sup>1</sup>	see table available variants
Shielding Effectiveness	≥ 100 dB up to 1 GHz

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.

<sup>1</sup> Including measurement adaptor if necessary

## Technical Data Sheet

# Rosenberger

Cable assembly - Standardportfolio  
RPC-2.40 Plug / RPC-2.40 Plug – RTK 125

### LU8-002-XXX

#### Mechanical data

Minimum bend radius:

Single 5,1 mm  
Multiple 16 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
A.Schadhauser	08.01.15	A. Maiwalder	20.01.15	b00	15-s050	S. Andorfer	20.01.15

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