

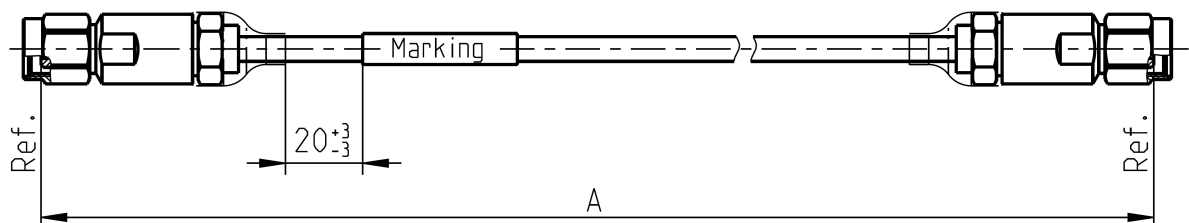
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Technical Data Sheet

Rosenberger

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

LU8-002-XXX



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 50 GHz	Marking	Weight (g) / pce
LU8-002-XXX	$\leq 0.00397\text{ dB/mm} * A\text{ mm} + 0.90\text{ dB}$	ROSENBERGER YYYY-WW LU8-002-XXX FAC-RRRRRRR ssss	$0.0263\text{ g/mm} * A\text{ mm} + 20\text{ g}$

XXX – length in mm = A

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

Assembly parts

Connector left	RPC-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 ¹	$\geq 16,5\text{ dB}$, DC to 50 GHz
Insertion loss ¹	see table available variants
Shielding Effectiveness	$\geq 100\text{ dB}$ 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.

¹ Including measurement adaptor if necessary

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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.							
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