



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

**Available variants**

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LU7-238-XXX	≤ 0.00164 dB/mm * A mm + 0.50 dB	ROSENBERGER YYYY-WW LU7-328-XXX FAC-RRRRRRR ssss	0.0656 g/mm * A mm + 97 g

XXX – length in mm = A

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

**Assembly parts**

Connector left	RPC-N plug	05S121-2U7S3
Connector right	RPC-N jack	05K121-2U7S3
Cable	RTK 162	

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss <sup>1</sup>	≥ 19 dB, DC to 18 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-N Plug / RPC-N Jack – RTK 162

## LU7-238-XXX

### Mechanical data

Minimum bend radius:

Single 9.65 mm  
Multiple 50.80 mm

### Environmental data

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

### Packing

Standard 1 up to 10 pcs 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
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