



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
LA2-038-XXX	≤ 0.00066 dB/mm * A mm + 0.50 dB	ROSENBERGER YYYY-WW LA2-038-XXX FAC-RRRRRRR ssss	0.146 g/mm * A mm + 100 g

XXX – length in mm = A  
Standard lengths are 1000, 3000, 5000 and 10000 mm  
WW – week                      YYYY – year                      ssss – serial no.                      FAC – Factory Code                      RRRRRRR – lot nr.

Note: max. Insertion Loss:  
First constant = Cable attenuation in dB /mm; Second Constant = Connector left and Connector right +needed Adaptor  
  
Weight:  
First constant = Cable- and Armour- weight per mm; Second Constant = Connector left and Connector right weight per pce

**Assembly parts**

Connector left	RPC-N plug	05S121-2A2S3
Connector right	RPC-N jack	05K121-2A2S3
Cable	RTK 081	

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss <sup>1</sup>	≥ 17 dB, DC to 18 GHz
Insertion loss <sup>1</sup>	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.

<sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor

# Technical Data Sheet

# Rosenberger

Cable assembly  
RPC-N Plug / Jack – RTK 081 Cable

## LA2-038-XXX

### Mechanical data

Minimum bend radius:  
Single 31.75 mm  
Multiple 76.20 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
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