

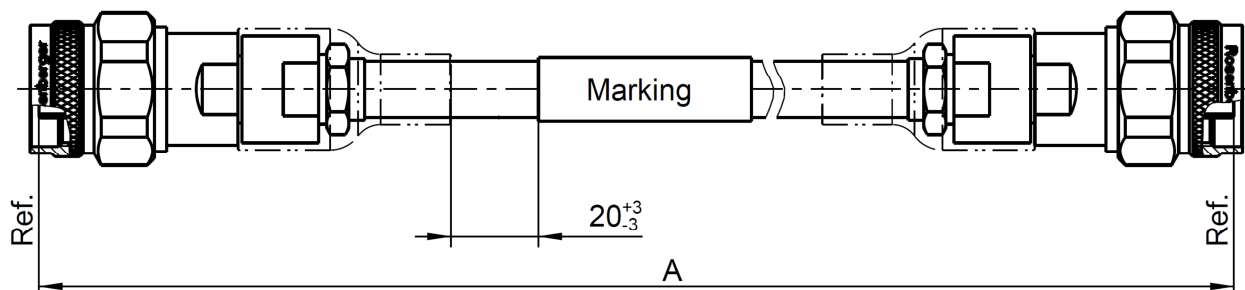
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RF_35/09_14/6.2

Technical Data Sheet

Rosenberger

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

LA2-001-XXX



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

Available variants

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LA2-001-XXX	$\leq 0.00066 \text{ dB/mm} * A \text{ mm} + 0.5 \text{ dB}$	ROSENBERGER YYYY-WW LA2-001-XXX FAC-RRRRRRR ssss	$0.146 \text{ g/mm} * A \text{ mm} + 100 \text{ g}$

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 plug	05S121-2A2S3
Cable	RTK 081	

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss ¹	$\geq 17 \text{ dB}$, DC to 18 GHz
Insertion loss ¹	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.

¹ Return Loss and Insertion Loss includes the measurement adaptor

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Cable assembly RPC-N Plug / RPC-N Plug – RTK 081 Cable				LA2-001-XXX			
Mechanical data Minimum bend radius: Single31.75 mm Multiple76.2 mm Environmental data Temperature range-40°C to +85°C RoHScompliant							
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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