



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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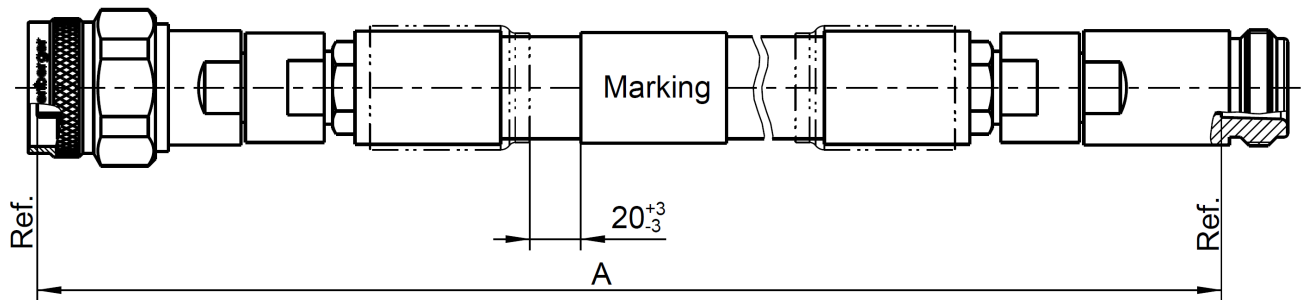
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Cable assembly
RPC-N Plug / Jack – RTK 081 Cable – T1 Armour

LA2-105-XXX



All dimensions are in mm; tolerances: ± 3 mm for $A \leq 300$ mm; $\pm 1\%$ for $A > 300$ mm

Available variants

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LA2-105-XXX	$\leq 0.00066 \text{ dB/mm} * A \text{ mm} + 0.5 \text{ dB}$	ROSENBERGER YYYY-WW LA2-105-XXX FAC-RRRRRRR ssss	$0.435 \text{ g/mm} * A \text{ mm} + 111 \text{ g}$

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	05S122-2A2S3
Connector right	RPC-N jack	05K122-2A2S3
Cable	RTK 081	
Armour	T1 - Polyurethane jacket over braid / stainless steel spiral	

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

Technical Data Sheet

Rosenberger

Cable assembly
RPC-N Plug / Jack – RTK 081 Cable – T1 Armour

LA2-105-XXX

Mechanical data

Minimum bend radius: 38.10 mm
Crush resistance > 80 N/mm

Environmental data

Temperature range -40°C to +80°C
RoHS compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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