



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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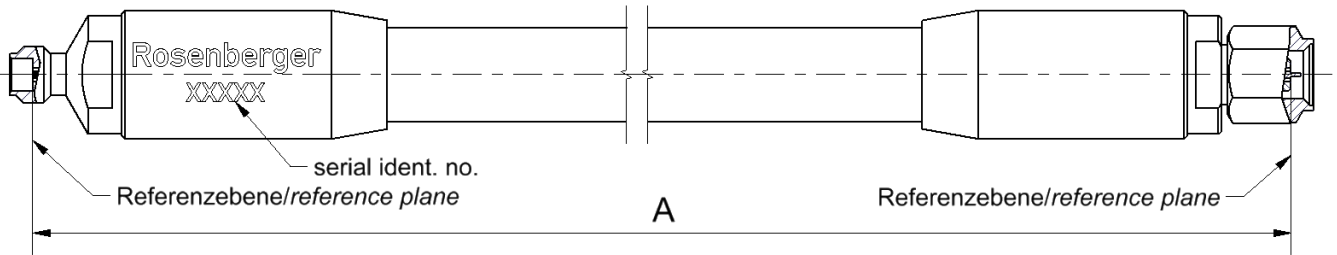


# Technical Data Sheet

# Rosenberger

Cable assembly  
RPC-1.00 Jack / Plug – UT-047-LL

## L70-282-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	Weight (g) / pce
L70-282-XXX	$\leq 0.0013 * \sqrt{f[\text{GHz}]} \text{ dB/mm}$	$0.071 \text{ g/mm} * A \text{ mm} + 8.75 \text{ g}$

XXX – length in mm = A      Maximum possible length = 6000mm

Note:      Weight:  
First constant = Cable- and Armour- weight per mm; Second Constant = Connector left and Connector right weight per pce

### Assembly parts

Connector left	RPC-1.00 jack
Connector right	RPC-1.00 plug
Cable	UT-047-LL
Armour	silicone rubber jacket over glass fiber braid / stainless steel spiral

### Electrical data

Impedance	50 $\Omega$
Frequency	DC to 110 GHz
Return loss	$\geq 17 \text{ dB}$ , DC to 50 GHz $\geq 14 \text{ dB}$ , 50 to 110 GHz
Insertion loss	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.

### Mechanical data

Minimum bend radius:	
Single	20.0 mm

### Environmental data

Temperature range	- 40 $^{\circ}\text{C}$ to +125 $^{\circ}\text{C}$
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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