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!

Contact us

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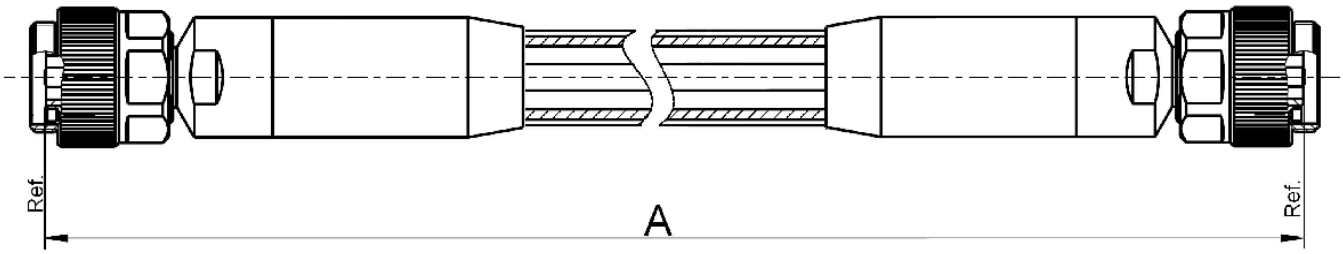
TECHNICAL DATA SHEET	Rosenberger
CABLE ASSEMBLY RPC-7 / RPC-7	**LU7-070-XXX**



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

Available variants

Type	Length "A" (mm)	Insertion loss ≤ (dB) at 18 GHz	Weight (g) / pce
LU7-070-2000	2000	3.60	720
LU7-070-1000	1000	1.95	470
LU7-070-800	800	1.60	420
LU7-070-700	700	1.45	395
LU7-070-600	600	1.30	370

Documents

Technical data sheet connector	RPC-7	07P123-2U7S3
Technical data sheet cable	RTK 162	

Assembly parts

Connector left	RPC-7	07P123-2U7S3
Connector right	RPC-7	07P123-2U7S3
Cable	RTK 162	
Armour	Metal tubing with fixed bending rate and protection braid	

RF_35/11.05/3.1

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TECHNICAL DATA SHEET	Rosenberger
CABLE ASSEMBLY RPC-7 / RPC-7	**LU7-070-XXX**

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 28 dB, DC to 4 GHz
	≥ 20 dB, 4 GHz to 18 GHz
Insertion loss	see table available variants
Phase deviation:	
After 90° bending	≤ 0.5°, DC to 4 GHz
	≤ 2.0°, 4 GHz to 18 GHz
Straight after 3x90° bending	≤ 0.5°, DC to 4 GHz
	≤ 1.5°, 4 GHz to 18 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz
	≤ 0.05 dB, 4 GHz to 18 GHz
Return loss stability	≥ 48 dB, DC to 4 GHz
	≥ 40 dB, 4 GHz to 18 GHz
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Minimum bend radius	60 mm

Environmental data

Temperature range	-40°C to +85°C
2002/95/EC (RoHS)	compliant

Packing

Standard	1 pce in box

Draft	Date	Approved	Date
Herbert Babinger	15/02/06	Frank Tatzel	28/02/11

Rev.	Engineering change number	Name	Date
e00	11-0169	Krautenbacher J.	28/02/11

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