



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!



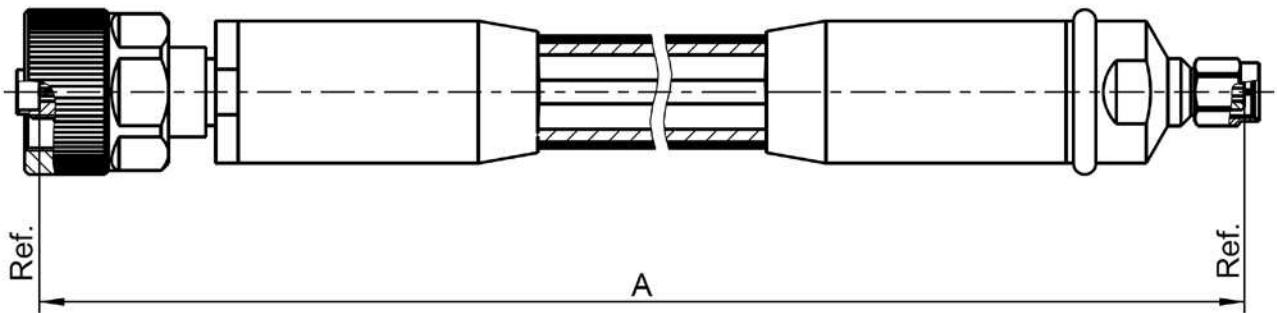
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All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm

Available variants

Type	max. Insertion loss at 50 GHz	Weight (g) / pce
LU8-005-XXX	$\leq 0.00397 \text{ dB/mm} * A \text{ mm} + 0.70 \text{ dB}$	$0.206 \text{ g/mm} * A \text{ mm} + 150 \text{ g}$

XXX – length in mm = A
- Standard lengths are 600, 800 and 1000mm. The smallest possible length is 400mm. -

Assembly parts

Connector left	RPC-2.40 ruggedized jack	09KR123-2U8S3
Connector right	RPC-2.40 plug	09S123-2U8S3
Cable	RTK 125	
Armour	Metal tubing with fixed bending rate and protection braid	

Electrical data

Impedance	50 Ω
Frequency	DC to 50 GHz
Return loss	≥ 26 dB, DC to 4 GHz ≥ 17 dB, 4 GHz to 50 GHz
Insertion loss	see table available variants
After 90° bending	≤ 1.3°, DC to 4 GHz ≤ 7.0°, 4 GHz to 50 GHz
Straight after 3x90° bending	≤ 1.0°, DC to 4 GHz ≤ 4.5°, 4 GHz to 50 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.08 dB, 4 GHz to 50 GHz
Return loss stability	≥ 45 dB, DC to 4 GHz ≥ 35 dB, 4 GHz to 50 GHz
Shielding Effectiveness	≥ 100 dB up to 1 GHz

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.

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Technical Data Sheet

Rosenberger

Cable assembly
RPC-2.40 JACK – RTK 125 Cable – RPC-2.40 PLUG

LU8-005-XXX

Mechanical data

Minimum bend radius: 60 mm

Environmental data

Temperature range -40°C to +85°C
RoHS compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Martin Moder	18.08.14	Herbert Babinger	08.06.16	g00	16-0803	K. Mitterer	08.06.16

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