



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!



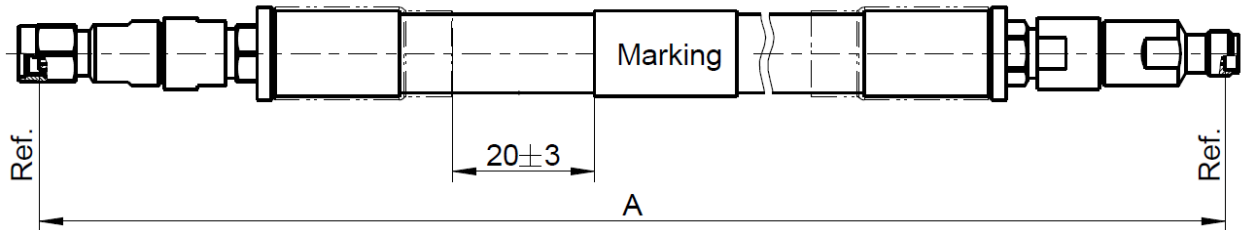
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All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm

Available variants

| Type | max. Insertion loss at 40 GHz | Marking | Weight (g) / pce |
|-------------|---------------------------------|---|-------------------------|
| LU1-074-XXX | ≤ 0.00285 dB/mm * A mm + 0.6 dB | ROSENBERGER YYYY-WW LU1-074-XXX FAC-RRRRRRRR ssss | 0,20 g/mm * A mm + 34 g |

XXX – length in mm = A
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-2.92 jack | 02K122-2U1S3 |
| Connector right | RPC-2.92 plug | 02S122-2U1S3 |
| Cable | RTK 106 | |
| Armour | Polyurethane Jacket over Braid/Stainless Steel Spiral | |

Electrical data

| | |
|-----------------------------|------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| Return loss ¹ | ≥ 17 dB, DC to 40 GHz |
| Insertion loss ¹ | see table available variants |
| RF-leakage | ≥ 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. Measurement adaptors used are mentioned in the commentary field.

¹ Return Loss and Insertion Loss includes the measurement adaptor

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Technical Data Sheet

Rosenberger

Cable assembly

RPC-2.92 Jack / RPC-2.92 Plug - RTK 106 – T1 Armour

LU1-074-XXX

Mechanical data

Minimum bend radius:

Single 25.5. mm

Multiple 38.4 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 |
|-------------|----------|-------------|----------|------|---------------------------|-------------|----------|
| S. Andorfer | 13.07.17 | H. Babinger | 27.07.17 | b00 | 17-s228 | B. Zimmerle | 27.07.17 |

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