



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 YYY-YY LU1-074-XXX FAC-RRRRRRR ssss	0,20 g/mm * A mm + 34 g

XXX – length in mm = A
WW – week YYYY – year ssss – serial no. FAC – Factory Code RRRRRR – 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

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

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