



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

Available variants

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LU7-036-XXX	≤ 0.00164 dB/mm * A mm + 0.40 dB	ROSENBERGER YYYY-WW LU7-036-XXX FAC-RRRRRRR ssss	0.0656 g/mm * A mm + 97 g

XXX – length in mm = A

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

Assembly parts

Connector left	RPC-N plug	05S121-2U7S3
Connector right	RPC-N plug	05S121-2U7S3
Cable	RTK 162	

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss ¹	≥ 19 dB, DC to 18 GHz
Insertion loss ¹	see table available variants
Shielding Effectiveness	≥ 90 dB

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 Including measurement adaptor if necessary

Technical Data Sheet

Rosenberger

Cable assembly - Standardportfolio
RPC-N Plug / RPC-N Plug – RTK 162

LU7-036-XXX

Mechanical data

Minimum bend radius:

Single 9.65 mm
Multiple 50.8 mm

Environmental data

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

Packing

Standard 1 pce in box

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
Martin Moder	12.09.14	Herbert Babinger	06.10.14	b00	14-s342	Maik Knoll	06.10.14

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	Page 2 / 2
--	--	---------------