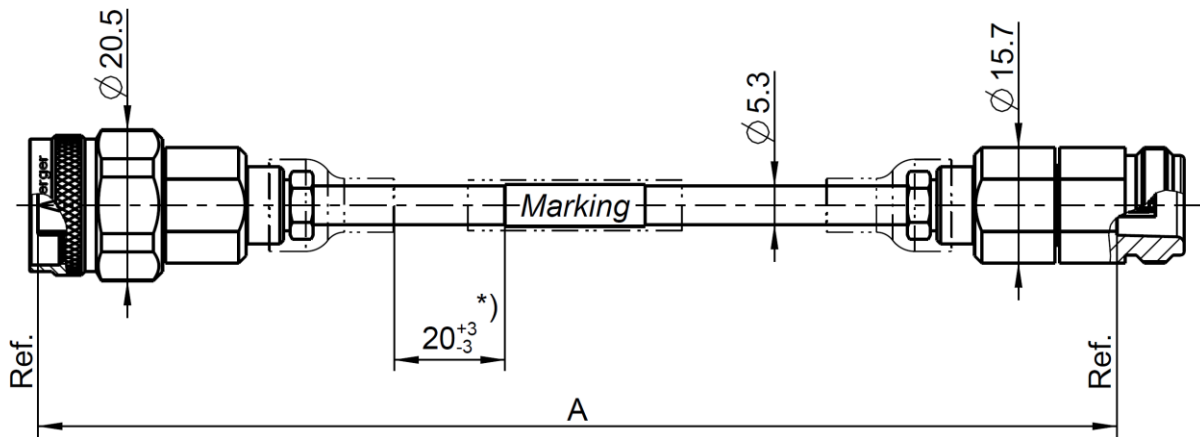


Technical Data Sheet

Rosenberger

Cable assembly
RPC-N plug – RTK 162 – RPC-N jack


LU7-501-XXX



All dimensions are in mm; tolerances: $\pm 3\text{mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$

*) If length "A" < 150 mm marking is mount centric $\pm 5\text{ mm}$

Available variants

Type	Insertion loss at 18 GHz	Marking	Weight (g) / pce
LU7-501-XXX	$\leq 0.00164\text{ dB/mm} * A\text{ mm} + 0.4\text{ dB}$	ROSENBERGER ssss LU7-501-XXX FAC-RRRRRRR 	$0.063\text{ g/mm} * A\text{ mm} + 73\text{ g}$

XXX – length in mm = A

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot no.

Barcode = includes factory code, lot no. and serial no.

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-N plug	05S129-2U7S3
Connector right	RPC-N jack	05K129-2U7S3
Cable	RTK 162	

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss ¹	$\geq 19\text{ dB}$, DC to 18 GHz
Insertion loss ¹	see table available variants

Individual testing and documentation:

Measurement plot with all 4 S-Parameters (S11; S22; S21; S12) and the care and handling instruction are included with the cable assembly. Measurement adaptors used are mentioned in the commentary field.

¹ Return Loss and Insertion Loss includes the measurement adaptor

Technical Data Sheet

Rosenberger

Cable assembly
RPC-N plug – RTK 162 – RPC-N jack

LU7-501-XXX

Mechanical data

Minimum bend radius:
Multiple 53 mm

Environmental data

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

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

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
M. Moder	28.03.19	H. Babinger	18.06.19	100	19-v419	A. Youmsi	18.06.19
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

RF_35/09_14/6.2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[LU7-501-500](#) [LU7-501-1000](#) [LU7-501-1500](#) [LU7-501-2000](#)