



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	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LU7-266-XXX	$\leq 0.00164\text{ dB/mm} * A\text{ mm} + 0.3\text{ dB}$	ROSENBERGER YYYY-WW LU7-266-XXX FAC-RRRRRRRR ssss	$0.2692\text{ g/mm} * A\text{ mm} + 100\text{ g}$

XXX – length in mm = A

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRRR – 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-N Plug	05S122-2U7S3
Connector right	RPC-N Jack	05K122-2U7S3
Cable	RTK 162	
Armour	Polyurethane jacket over braid / stainless steel spiral	

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) 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

RF_35/09.14/6.2 Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

Technical Data Sheet				Rosenberger			
Cable assembly RPC-N Plug / RPC-N Jack – RTK 161 Cable – T1 armour				LU7-266-XXX			
Mechanical data Minimum bend radius: 25.4 mm Crush resistance > 80 N/mm Environmental data Temperature range -40°C to +80°C RoHS compliant							
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
F. Reiner	13.02.17	Herbert Babinger	13.02.17	c00	17-0243	M.Ruf	13.02.17
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		Page 2 / 2