



All dimensions are in mm; tolerances according to ISO 2768 c-H

**Available variants**

Type	"A" (mm)	"C" (mm)	Insertion loss ≤ (dB) at 18 GHz	Marking	Weight (g) / pce
LU7-275-500	500	20±3	1.20	ROSENBERGER WW/YY XXX LU7-275-500	254
LU7-275-1000	1000	20±3	2.10	ROSENBERGER WW/YY XXX LU7-275-1000	373
LU7-275-1500	1500	20±3	2.90	ROSENBERGER WW/YY XXX LU7-275-1500	492
LU7-275-2000	2000	20±3	3.70	ROSENBERGER WW/YY XXX LU7-275-2000	610

WW - week  
YY - year  
XXX – serial no.

**Documents**

Technical data sheet connectors	RPC-N plug	05S122-2U7S3
	RPC-N plug right angle	05S222-2U7S3
Technical data sheet cable	RTK 162	

**Assembly parts**

Connector left	RPC-N plug	05S122-2U7S3
Connector right	RPC-N plug right angle	05S222-2U7S3
Cable	RTK 162	
Armour	Polyurethane jacket over braid / stainless steel spiral	

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

RF\_35/05:10/6.0

## Technical Data Sheet

# Rosenberger

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

## LU7-275-XXX

### Electrical data

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return loss	$\geq 17$ dB, DC to 18 GHz
Insertion loss	see table available variants
RF-leakage	$\geq 100$ dB up to 1 GHz

### Mechanical data

Minimum bend radius:	
Single	25.5 mm
Multiple	50.8 mm
Crush resistance	80N/mm

### Environmental data

Temperature range	-40°C to +80°C
2002/95/EC (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	23/01/12	Roland Neuhauser	31/01/12	a00	12-s045	T. Oberhauser	31/01/12

  

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>	Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>	Page 2 / 2
--	---	---------------