



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

**Available variants**

Type	max. Insertion loss at 26.5 GHz	Marking	Weight (g) / pce
LU7-115-XXX	$\leq 0.00203 \text{ dB/mm} * A \text{ mm} + 0.4 \text{ dB}$	ROSENBERGER YYY-YY LU7-115-XXX FAC-RRRRRRR ssss	$0.263 \text{ g/mm} * A \text{ mm} + 32 \text{ g}$

XXX – length in mm = A

Standard lengths are 500, 1000, 1500 and 2000 mm

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

**Assembly parts**

Connector left	RPC-3.50 plug	03S122-2U7S3
Connector right	RPC-3.50 plug	03S122-2U7S3
Cable	RTK 162	
Armour	T1 - Polyurethane jacket over braid / stainless steel spiral	

**Electrical data**

Impedance	50 $\Omega$
Frequency	DC to 26.5 GHz
Return loss <sup>1</sup>	$\geq 19 \text{ dB}$ , DC to 26.5 GHz
Insertion loss <sup>1</sup>	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.

<sup>1</sup> Includes measurement adaptor

# Technical Data Sheet

# Rosenberger

## Cable assembly

RPC-3.50 Plug / RPC-3.50 Plug - RTK 162 Cable - T1

## LU7-115-XXX

### Mechanical data

Minimum bend radius:

Single	25.5 mm
Multiple	50.8 mm
Crush resistance	80 N/mm

### Environmental data

Temperature range	-40°C to +80°C
RoHS	compliant

### Packing

Standard	1 pce in box
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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	26.01.12	Scherbauer M.	17.12.14	b00	14-s421	S. Andorfer	17.12.14

  

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