



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
LU7-145-500	500	20±3	1.10	ROSENBERGER WW/YY XXX LU7-145-500	132
LU7-145-1000	1000	20±3	2.00	ROSENBERGER WW/YY XXX LU7-145-1000	250
LU7-145-1500	1500	20±3	2.80	ROSENBERGER WW/YY XXX LU7-145-1500	370
LU7-145-2000	2000	20±3	3.60	ROSENBERGER WW/YY XXX LU7-145-2000	488

WW - week  
YY - year  
XXX – serial no.

**Documents**

Technical data sheet connectors SMA plug 32S122-2U7S3  
Technical data sheet cable RTK 162

**Assembly parts**

Connector left SMA plug 32S122-2U7S3  
Connector right SMA plug 32S122-2U7S3  
Cable RTK 162  
Armour Polyurethane jacket over braid / stainless steel spiral

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RF\_35/05:10/6.0

## Technical Data Sheet

# Rosenberger

Cable assembly - Standardportfolio  
SMA Plug / SMA Plug – RTK 162

## LU7-145-XXX

### Electrical data

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return loss	$\geq 19$ 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
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
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