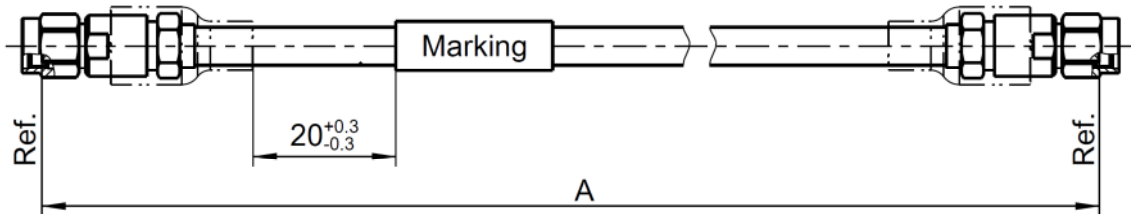


Technical Data Sheet

Rosenberger

Cable assembly
SMA Plug / SMA Plug – RTK 162

LU7-071-XXX



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

Available variants

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LU7-071-XXX	$\leq 0.00164\text{ dB/mm} * A\text{ mm} + 0.4\text{ dB}$	ROSENBERGER YYY-YY LU7-071-XXX FAC-RRRRRRR ssss	$0.066\text{ g/mm} * A\text{ mm} + 12\text{ g}$

XXX – length in mm = A
 WW – week YYYY – year ssss – serial no. FAC – Factory Code RRRRRR – 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	SMA plug	32S121-2U7S3
Connector right	SMA plug	32S121-2U7S3
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
RF-leakage	$\geq 100\text{ dB}$ up to 1 GHz

¹ Return Loss and Insertion Loss includes the measurement adaptor

Mechanical data

Minimum bend radius:	
Single	9.65 mm
Multiple	50.8 mm

Environmental data

Temperature range	-40°C to +85°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	18.01.16	Herbert Babinger	22.01.16	b00	16-s045	A. Youmsi Mouafo	22.01.16

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