


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	Insertion loss at 18 GHz	Marking	Weight (g) / pce
LU7-504-XXX	$\leq 0.00164\text{ dB/mm} * A\text{ mm} + 0.4\text{ dB}$	ROSENBERGER LU7-504-XXX FAC-RRRRRRR ssss 	$0.063\text{ g/mm} * A\text{ mm} + 13\text{ g}$

XXX – length in mm = A
 ssss – serial no. FAC – Factory Code RRRRRRR – lot no. Barcode = includes factory code, lot no. and serial no.

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	32S129-2U7S3
Connector right	SMA plug	32S129-2U7S3
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

Individual testing and documentation:
 Measurement plot with all 4 S-Parameters (S11; S22; S21; S12) and the care and handling instruction are included with the cable assembly. Measurement adaptors used are mentioned in the commentary field.

¹ Return Loss and Insertion Loss includes the measurement adaptor

Technical Data Sheet

Rosenberger

Cable assembly
SMA plug – RTK 162 –SMA plug

LU7-504-XXX

Mechanical data

Minimum bend radius:
Multiple 53 mm

Environmental data

Temperature range -40°C to +85°C
RoHS compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Moder	05.04.19	H. Babinger	13.10.20	a00	20-s189	A. Youmsi	13.10.20

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