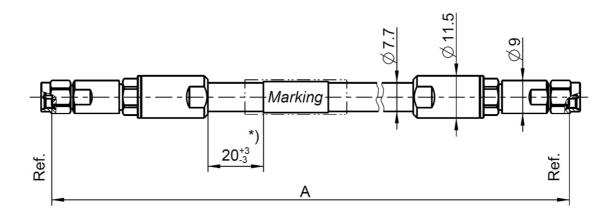
RF_35/09.14/6.2

Technical Data Sheet

Rosenberger

Cable assembly SMA plug – RTK 162 –SMA plug - Armour

LU7-505-XXX



All dimensions are in mm; tolerances: \pm 3mm for A \leq 300 mm; \pm 1% for A > 300 mm*) If length "A" < 150 mm marking is mount centric \pm 5 mm

Available variants

Type	Insertion loss at 18 GHz	Marking	Weight (g) / pce			
LU7-505-XXX	≤ 0.00164 dB/mm * A mm + 0.4 dB	ROSENBERGER ssss LU7-505-XXX FAC-RRRRRR	0.139 g/mm * A mm + 27 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

Weiaht.

First constant = Cable- and Armour- weight per mm; Second Constant = Connector left and Connector right weight per pce

Assembly parts

Connector leftSMA plug32S129-2U7S3Connector rightSMA plug32S129-2U7S3

Cable RTK 162 Armour T3 Armour

Clamping sleeve Stainless steel 05S129-2U7/41
Tension sleeve Stainless steel 05S129-2U7/42

Electrical data

Impedance 50 Ω

Frequency DC to 18 GHz

Return loss¹ \geq 19 dB, DC to 18 GHz 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.

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¹ Return Loss and Insertion Loss includes the measurement adaptor

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D-84526 Tittmoning

Technical Data Sheet

Rosenberger

Cable assembly SMA plug - RTK 162 - SMA plug - Armour

LU7-505-XXX

Mechanical data

Minimum bend radius:

Multiple

53 mm

Environmental data

Temperature range RoHS

-40°C to +85°C 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
M. Moder	05.04.19	H. Babinger	13.10.20		a00	20-s189	A. Youmsi	13.10.20
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