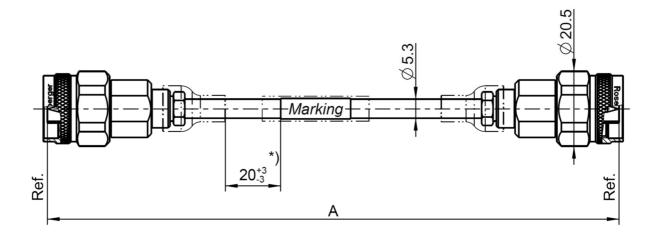
Technical Data Sheet

Rosenberger

Cable assembly
RPC-N plug – RTK 162 – RPC-N plug

LU7-500-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		
LU7-500-XXX	≤ 0.00164 dB/mm * A mm + 0.4 dB	ROSENBERGER ssss LU7-500-XXX FAC-RRRRRR	0.063 g/mm * A mm + 78 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 left
 RPC-N plug
 05S129-2U7S3

 Connector right
 RPC-N plug
 05S129-2U7S3

 Cable
 RTK 162

Electrical data

Impedance 50 Ω

Frequency DC to 18 GHz

Return loss¹ \geq 19 dB, DC to 18 GHz Insertion loss¹ 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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RF 35/09.14/6.2

Technical Data Sheet

Rosenberger

Cable assembly
RPC-N plug – RTK 162 – RPC-N plug

LU7-500-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	28.03.19	H. Babinger	12.03.21		a00	21-s067	A.Youmsi	12.03.21
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