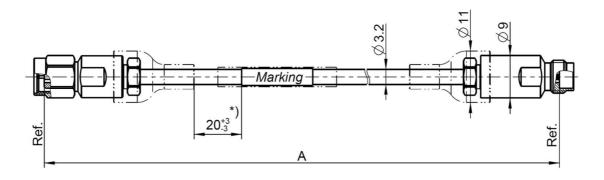
Technical Data Sheet

Rosenberger

Cable assembly
RPC-2.40 plug – RTK 125 – RPC-2.40 jack

LU8-501-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 50 GHz	Marking	Weight (g) / pce
LU8-501-XXX	≤ 0.00397 dB/mm * A mm + 0.9 dB	ROSENBERGER SSSS LU8-501-XXX FAC-RRRRRR	0.027 g/mm * A mm + 15 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
 RPC-2.40 plug
 09S129-2U8S3

 Connector right
 RPC-2.40 jack
 09K129-2U8S3

 Cable
 RTK 125

Electrical data

Impedance 50 Ω

Frequency DC to 50 GHz

Return loss¹ \geq 16.5 dB, DC to 50 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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Technical Data Sheet

Rosenberger

Cable assembly
RPC-2.40 plug – RTK 125 – RPC-2.40 jack

LU8-501-XXX

Mechanical data

Minimum bend radius:

Multiple 32 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
Martin Moder	20.05.19	H. Babinger	18.09.19		100	19-v502	A. Youmsi	18.09.19
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