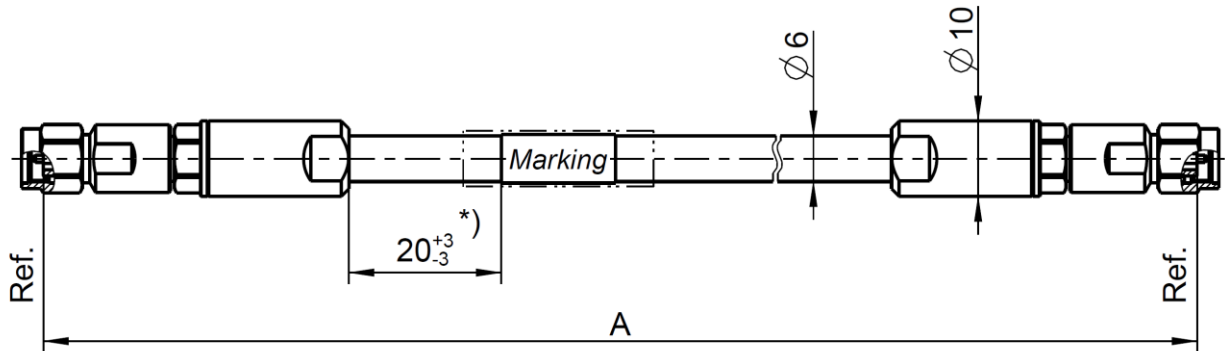


Cable assembly

RPC-2.92 plug – RTK 106 – RPC-2.92 plug - Armour


LU1-502-XXX



All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm

*) If length "A" < 150 mm marking is mount centric ±5 mm

Available variants

Type	Insertion loss at 40 GHz	Marking	Weight (g) / pce
LU1-502-XXX	≤ 0.00285 dB/mm * A mm + 0.9 dB	ROSENBERGER ssss LU1-502-XXX FAC-RRRRRRR 	0,096 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

Weight:

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

Assembly parts

Connector left	RPC-2.92 plug	02S129-2U1S3
Connector right	RPC-2.92 plug	02S129-2U1S3
Cable	RTK 106	
Armour	T3 Armour	
Clamping sleeve	Stainless steel	02S129-2U1/43
Tension sleeve	Stainless steel	02S129-2U1/44

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss ¹	≥ 17 dB, DC to 40 GHz (TBD)
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

RPC-2.92 plug – RTK 106 – RPC-2.92 plug - Armour

LU1-502-XXX

Mechanical data

Minimum bend radius:
Multiple 40 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
Martin Moder	14/03/19	Herbert Babinger	29/05/19	100	19-v355	Andreas Plötz	20/05/19

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de	Tel. : +49 8684 18-0 Email : info@rosenberger.de	Page 2 / 2
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