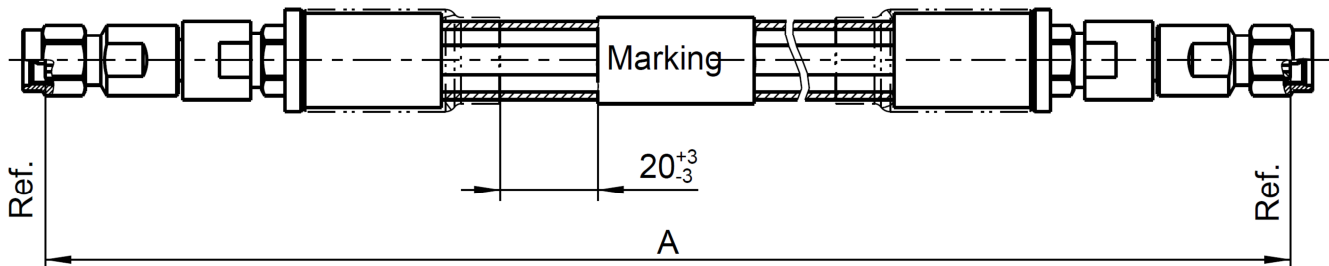


Cable assembly
RPC-2.92 Plug / RPC-2.92 Plug - RTK 106 – T1 Armour

LU1-037-XXX



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

Available variants

Type	max. Insertion loss at 40 GHz	Marking	Weight (g) / pce
LU1-037-XXX	$\leq 0.00285 \text{ dB/mm} * A \text{ mm} + 0.6 \text{ dB}$	ROSENBERGER YYY-YY- LU1-037-XXX FAC-RRRRRRR ssss	$0.233 \text{ g/mm} * A \text{ mm} + 36 \text{ g}$

XXX – length in mm = A
 WW – week YYYY – year ssss – serial no. FAC – Factory Code RRRRRRR – lot nr.

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	02S122-2U1S3
Connector right	RPC-2.92 plug	02S122-2U1S3
Cable	RTK 106	
Armour	Polyurethane Jacket over Braid/Stainless Steel Spiral	

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss ¹	≥ 17 dB, DC to 40 GHz
Insertion loss ¹	see table available variants
RF-leakage	≥ 100 dB up to 1 GHz

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

¹ Return Loss and Insertion Loss includes the measurement adaptor

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Technical Data Sheet

Rosenberger

Cable assembly

RPC-2.92 Plug / RPC-2.92 Plug - RTK 106 – T1 Armour

LU1-037-XXX

Mechanical data

Minimum bend radius:

Single 25.5 mm

Multiple 38.4 mm

Crush resistance 80 N/mm

Environmental data

Temperature range -40°C to +80°C

RoHS compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Reiner	08.07.16	Martin Moder	14.07.16	b00	16-s212	A. Youmsi Mouafo	14.07.16

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