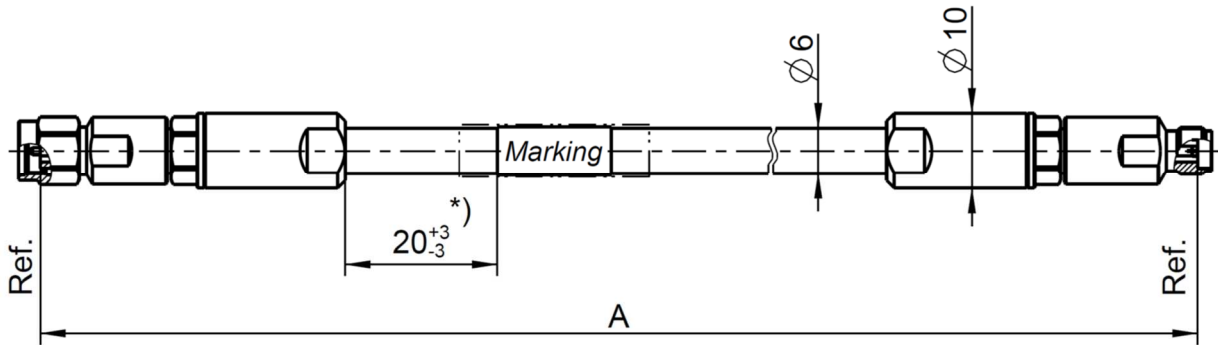



Cable assembly
RPC-2.92 plug – RTK 106 – RPC-2.92 jack - Armour

LU1-503-XXX



All dimensions are in mm; tolerances: $\pm 3\text{mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$
*) If length "A" < 200 mm marking is mount centric $\pm 5\text{ mm}$

Available variants

Type	Insertion loss at 40 GHz	Marking	Weight (g) / pce
LU1-503-XXX	$\leq 0.00285\text{ dB/mm} * A\text{ mm} + 0.6\text{ dB}$	ROSENBERGER ssss LU1-503-XXX FAC-RRRRRRR 	$0,096\text{ g/mm} * A\text{ mm} + 27\text{ g}$

XXX – length in mm = A
sss – 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 jack	02K129-2U1S3
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	$\geq 17\text{ dB}$, DC to 40 GHz
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 jack - Armour

LU1-503-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	03.03.23	a00	23-s055	A.Youmsi	03.03.23

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