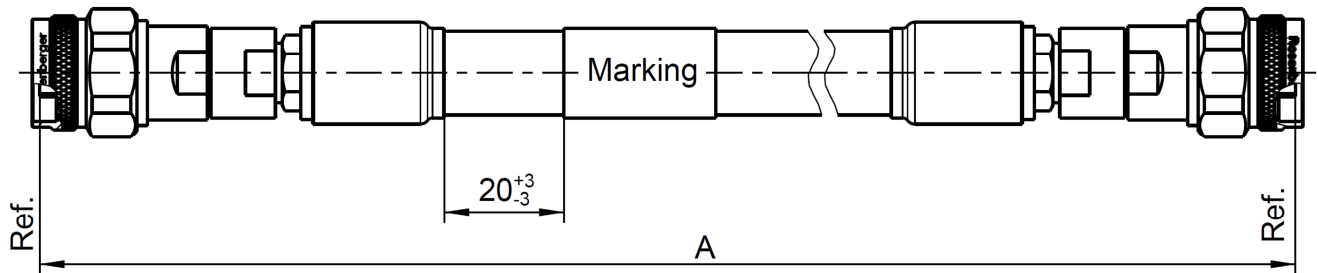


Cable assembly
RPC-N plug / RPC-N plug– RTK 081 Cable – T1 Armour

LA2-025-XXX



All dimensions are in mm; tolerances: ± 3 mm for $A \leq 300$ mm; $\pm 1\%$ for $A > 300$ mm

Available variants

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LA2-025-XXX	$\leq 0.00066 \text{ dB/mm} * A \text{ mm} + 0.5 \text{ dB}$	ROSENBERGER YYYY-WW LA2-025-XXX FAC-RRRRRRR ssss	$0.435 \text{ g/mm} * A \text{ mm} + 112 \text{ g}$

XXX – length in mm = A

Standard lengths are 1000, 3000, 5000 and 10000 mm

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-N plug	05S122-2A2S3
Connector right	RPC-N plug	05S122-2A2S3
Cable	RTK 081	
Armour	T1 - Polyurethane jacket over braid / stainless steel spiral	

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss ¹	$\geq 17 \text{ dB}$, DC to 18 GHz
Insertion loss ¹	see table available variants

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-N plug / RPC-N plug– RTK 081 Cable – T1 Armour				LA2-025-XXX			
Mechanical data							
Minimum bend radius:		38 mm					
Crush Resistance Armour		80 N/mm					
Environmental data							
Temperature range		-40°C to +80°C					
RoHS		compliant					