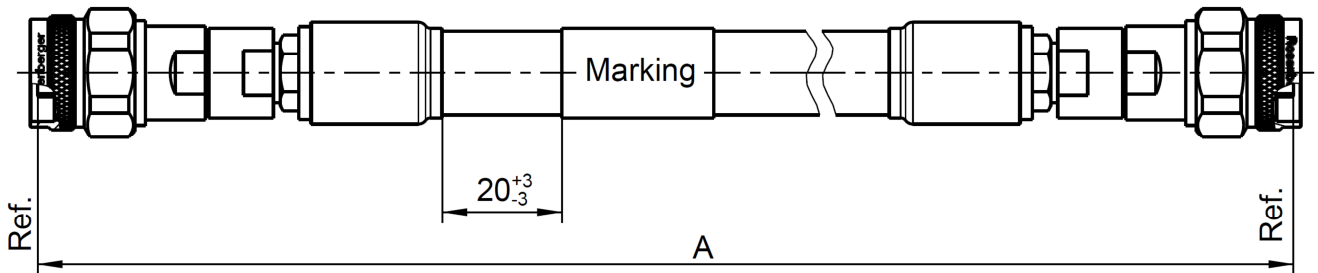


Cable assembly  
RPC-N plug / RPC-N plug– RTK 081 Cable – T1 Armour

**LA2-025-XXX**



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

**Available variants**

Type	max. Insertion loss at 18 GHz	Marking	Weight (g) / pce
LA2-025-XXX	≤ 0.00066 dB/mm * A mm + 0.5 dB	ROSENBERGER YYYY-WW LA2-025-XXX FAC-RRRRRRR ssss	0.435 g/mm * A mm + 112 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 <sup>1</sup>	≥ 17 dB, DC to 18 GHz
Insertion loss <sup>1</sup>	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.

<sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor

# 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

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
A. Schadhauer	27.01.15	H. Babinger	13.02.17	c00	16-1783	A. Youmsi Mouafo	13.02.17

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