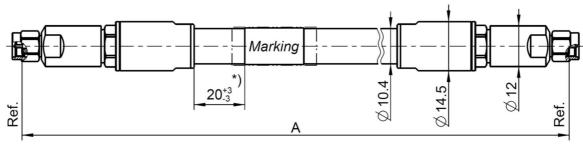
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## **Technical Data Sheet**

# Rosenberger

Cable assembly SMA plug - RTK 081 - SMA plug - Armour

LA2-501-XXX



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

|--|

Type	Insertion loss at 18 GHz	Marking	Weight (g) / pce			
LA2-501-XXX	≤ 0.00066 dB/mm * A mm + 0.5 dB	ROSENBERGER ssss LA2-501-XXX FAC-RRRRRR	0.265 g/mm * A mm + 15 g			

XXX - length in mm = A

FAC - Factory Code ssss - serial no.

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** 

SMA plug Connector left 32S129-2A2S3 Connector right SMA plug 32S129-2A2S3

Cable **RTK 081** Armour T3 Armour

Clamping sleeve Stainless steel 05S129-2A2/41 Tension sleeve Stainless steel 05S129-2A2/42

#### Electrical data

 $50 \Omega$ Impedance

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) and the care and handling instruction are included with the cable assembly. Measurement adaptors used are mentioned in the commentary field.

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

#### **Mechanical data**

Minimum bend radius: 80 mm Multiple

### **Environmental data**

Temperature range -40°C to +85°C RoHS compliant

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date		Rev.	Engineering change number	Name	Date	
M. Moder	09.05.19	Herbert Babinger	22.04.21		a00	21-s090	M.Ruf	22.04.21	
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