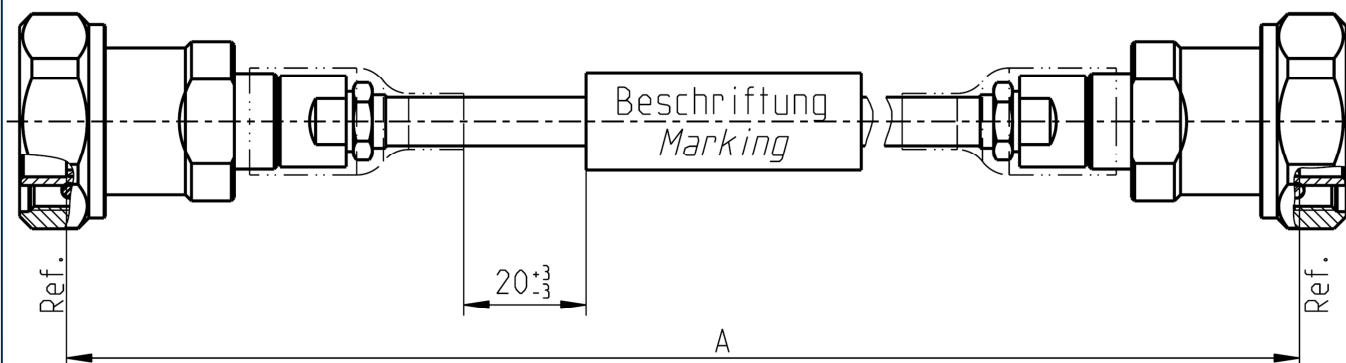


Technical Data Sheet

RosenbergerCable assembly
7/16 Plug / 7/16 Plug – RTK 081 Cable**LA2-020-XXX**All dimensions are in mm; tolerances: $\pm 3\text{ mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$ **Available variants**

Type	max. Insertion loss at X GHz	Marking	Weight (g) / pce
LA2-020-XXX	$\leq 0.0005\text{ dB/mm} * A\text{ mm} + 0.3\text{ dB}$	ROSENBERGER YYYY-WW LA2-020-XXX FAC-RRRRRRR SSSS	$0.138\text{ g/mm} * A\text{ mm} + 290\text{ g}$

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	7/16 plug	60S151-2A2N1
Connector right	7/16 plug	60S151-2A2N1
Cable	RTK 081	

Electrical data

Impedance	50 Ω
Frequency	DC to 8 GHz
Return loss ¹	$\geq 19\text{ dB}$, DC to 8.0 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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RF_35/09.14/6.2

Technical Data Sheet				Rosenberger											
Cable assembly 7/16 Plug / 7/16 Plug – RTK 081 Cable				LA2-020-XXX											
Mechanical data Minimum bend radius: Single31.75 mm Multiple76.2 mm															
Environmental data Temperature range-40°C to +85°C RoHScompliant															
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	
Martin Moder		20.01.12		A.Schadhauser		12.03.15		c00		15-s122		Maik Knoll		12.03.15	
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