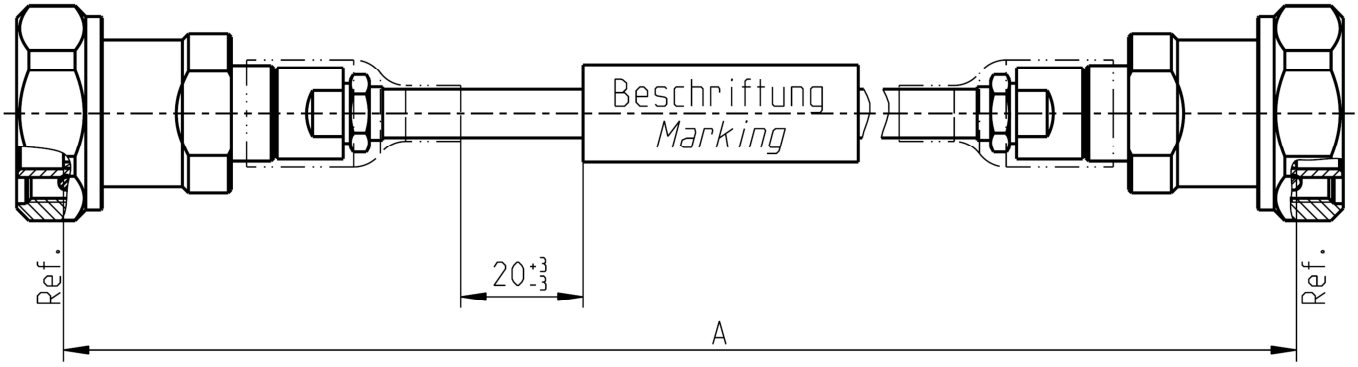
Technical Data Sheet	Rosenberger
Cable assembly 7/16 Plug / 7/16 Plug – RTK 081 Cable	**LA2-020-XXX**



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

Available variants

Type	max. Insertion loss at X GHz	Marking	Weight (g) / pce
LA2-020-XXX	≤ 0.0005 dB/mm * A mm + 0.3 dB	ROSENBERGER YYYY-WW LA2-020-XXX FAC-RRRRRRR ssss	0.138 g/mm * A mm + 290 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]	≥ 19 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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Mechanical data

Minimum bend radius:	
Single	31.75 mm
Multiple	76.2 mm

Environmental data

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

Draft	Date	Approved	Date
Martin Moder	20.01.12	A.Schadhauser	12.03.15

Rev.	Engineering change number	Name	Date
c00	15-s122	Maik Knoll	12.03.15

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