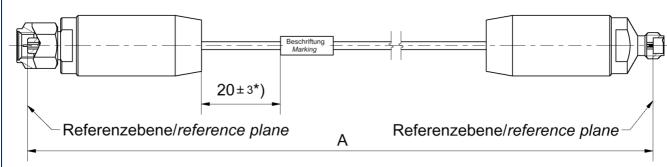
Technical Data Sheet

Rosenberger

Cable assembly

RPC-1.00 Plug - UT-047-LL - RPC-1.00 Jack

L70-279-XXX



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

Available variants

Type	max. Insertion loss	Marking	Weight (g) / pce	
L70-279-XXX	$\leq 0.0017 * \sqrt{f[GHz]} \frac{dB}{mm}$	ROSENBERGER YYYY-WW L70-279-XXX sssss	$0.0059 \frac{g}{mm} * A[mm] + 11.45g$	

XXX – length in mm = A Maximum possible length = 6000mm WW – week YYYY – year sssss – serial no.

Note: Weight:

First constant = Cable weight per mm; Second Constant = Connector left and Connector right weight per pce

Assembly parts

Connector left RPC-1.00 plug
Connector right RPC-1.00 jack
Cable UT-047-LL
Armour none

Electrical data

Impedance 50 Ω

Frequency DC to 110 GHz

Return loss¹ \geq 17 dB, DC to 50 GHz \geq 14 dB, 50 to 110 GHz

Insertion loss¹ 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.

Mechanical data

Minimum bend radius:

Single 20.0 mm

Environmental data

Temperature range - 40 °C to +125 °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
Martin Moder	10.06.15	Markus Müller	10.04.19	c00	19-0462	Marion Striegler	08.04.19

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^{*)} If length "A" ≤ 90 mm marking is mount centric ± 5mm

¹ Return Loss and Insertion Loss includes the measurement adaptor