



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

**Available variants**

Type	max. Insertion loss	Weight (g) / pce
L70-279-XXX	$\leq 0.0013 * \sqrt{f[\text{GHz}]} \text{ dB/mm}$	$0.0059 \text{ g/mm} * A \text{ mm} + 11.45 \text{ g}$

XXX – length in mm = A      Maximum possible length = 6000mm

Note:      Weight:  
First constant = Cable- and Armour- weight per mm; Second Constant = Connector left and Connector right weight per pce

**Assembly parts**

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

**Electrical data**

Impedance	50 Ω
Frequency	DC to 110 GHz
Return loss	≥ 17 dB, DC to 50 GHz ≥ 14 dB, 50 to 110 GHz
Insertion loss	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

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Martin Moder	10.06.15	Markus Müller	04.08.16	b00	16-1330	Marcel Panicke	04.08.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>						Tel. : +49 8684 18-0 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>	
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