



### Contents

Device	Part number	Quantity
Cable assembly RPC-3.50 ruggedized jack / RPC-N 50 $\Omega$ plug	LU7-069-600	1
Cable assembly RPC-3.50 ruggedized jack / RPC-N 50 $\Omega$ jack	LU7-056-600	1

### Documents

Technical data sheet cable assembly:  
 RPC-3.50 ruggedized jack / RPC-N 50  $\Omega$  plug  
 RPC-3.50 ruggedized jack / RPC-N 50  $\Omega$  jack

LU7-069-XXX  
 LU7-056-XXX

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 28 dB, DC to 4 GHz ≥ 20 dB, 4 GHz to 18 GHz
Insertion loss	≤ 1.30 dB at 18 GHz
Phase deviation:	
After 90° bending	≤ 0.5°, DC to 4 GHz ≤ 2.0°, 4 GHz to 18 GHz
Straight after 3x90° bending	≤ 0.5°, DC to 4 GHz ≤ 1.5°, 4 GHz to 18 GHz
Amplitude stability	≤ 0.03 dB, DC to 4 GHz ≤ 0.05 dB, 4 GHz to 18 GHz
Return loss stability	≥ 48 dB, DC to 4 GHz ≥ 40 dB, 4 GHz to 18 GHz
RF-leakage	≥ 90 dB up to 1 GHz

**Mechanical data**

Minimum bend radius	60 mm
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**Environmental data**

Temperature range	-40°C to +85°C
2002/95/EC (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
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