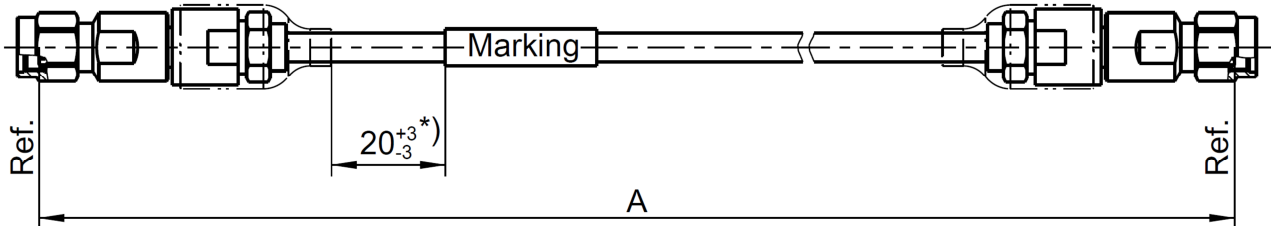


Technical Data Sheet				Rosenberger			
Cable assembly RPC-2.92 Plug / RPC-2.92 Plug – RTK 106				LU1-001-XXX			
							
All dimensions are in mm; tolerances: $\pm 3\text{mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$ (*) If length "A" $\leq 150\text{ mm}$ marking is mount centric $\pm 5\text{ mm}$							
Available variants							
Type	max. Insertion loss at 40 GHz		Marking		Weight (g) / pce		
LU1-001-XXX	$\leq 0.0029\text{ dB/mm} * A\text{ mm} + 0.5\text{ dB}$		ROSENBERGER YYYY-WW LU1-001-XXX FAC-RRRRRRR SSSS		$0.036\text{ g/mm} * A\text{ mm} + 27\text{ g}$		
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		RPC-2.92 plug		02S121-2U1S3			
Connector right		RPC-2.92 plug		02S121-2U1S3			
Cable		RTK 106					
Electrical data							
Impedance		50 Ω					
Frequency		DC to 40 GHz					
Return loss ¹		$\geq 17\text{ dB}$, DC to 40 GHz					
Insertion loss ¹		see table available variants					
¹ Return Loss and Insertion Loss includes the measurement adaptor							
Mechanical data							
Minimum bend radius:							
Single		6.35 mm					
Multiple		38.4 mm					
Environmental data							
Temperature range		-40°C to $+85^{\circ}\text{C}$					
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
F. Reiner	08.02.16	M. Moder	15.02.16	b00	16-s071	Maik Knoll	15.02.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 1 / 1