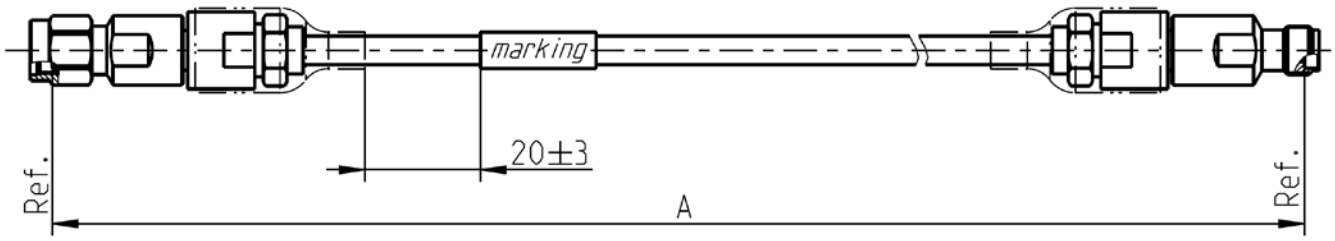
Technical Data Sheet

Rosenberger

Cable assembly
RPC-2.92 Plug / RPC-2.92 Jack – RTK 106

LU1-033-XXX



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

Available variants

Type	max. Insertion loss at 40 GHz	Marking	Weight (g) / pce
LU1-033-XXX	≤ 0.00285 dB/mm * A mm + 0.6 dB	ROSENBERGER YYYY-WW LU1-033-XXX FAC-RRRRRRR ssss	0.0361 g/mm * A mm + 27 g

XXX – length in mm = A Standard lengths are 500 / 1000 /1500 /2000mm
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 jack	02K121-2U1S3
Cable	RTK 106	

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss[1]	≥ 17 dB, DC to 40 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*

Mechanical data

Minimum bend radius:	
Single	6.35 mm
Multiple	38.4 mm

Environmental data

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

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Martin Moder	02/07/15	Herbert Babinger	07/07/15

Rev.	Engineering change number	Name	Date
m00	15-s277	Kathrina Mitterer	07/07/15

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