



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

**Available variants**

Type	max. Insertion loss at 12 GHz	Marking	Weight (g) / pce
L99-A0491-XXX-Y	≤ 0.0041 dB/mm * A mm + 1.0 dB	ROSENBERGER YYYYY-WW L99-A0491-XXX-Y FAC-RRRRRRR	0.011 g/mm * A mm + 3.0 g

XXX – length in mm = A

Y – pair matching (non, 2ps)

WW – week

YYYY – year

zzzz – individual serial no.

FAC – Factory Code

RRRRRRR – lot no.

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	Mini Coax plug, right angle	23S201-270L3
Connector left	Mini Coax jack, right angle	23K201-270L5
Connector right	SMP jack	19K107-270L5
Cable	RTK 047	

**Assembly parts**

Assembly instruction	23 MV-A008
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# Technical Data Sheet

# Rosenberger

## Cable Set

Mini Coax Plug / Jack – SMP Jack – RTK 047

## L99-A0491-XXX-Y

### Electrical data

Impedance	50 $\Omega$
Frequency	DC to 12 GHz
Return loss <sup>1</sup>	$\geq 12$ dB, DC to 12 GHz
Insertion loss <sup>1</sup>	see table available variants
Phasematched by pairs	depending on Part Number
	non – non matched
	2ps – max. 2 ps delay difference

### Individual testing

The S-Parameters (S11, S22, S21, S12) will be tested and the cable pairs are measured fore phase matching.:

<sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor

### Mechanical data

Minimum bend radius:	
Single	5.1. mm
Multiple	10.2 mm

### Housing

2 Channel	23Z121-008
4 Channel	23Z121-007
6 Channel	23Z121-004
8 Channel	23Z121-005

### Tooling

Extraction tool	23W100-000
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### Environmental data

Temperature range	-40°C to +115°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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Reiner	23.09.19	F. Reiner	30.04.24	a01	24-0004	M. Gehl	30.04.24

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