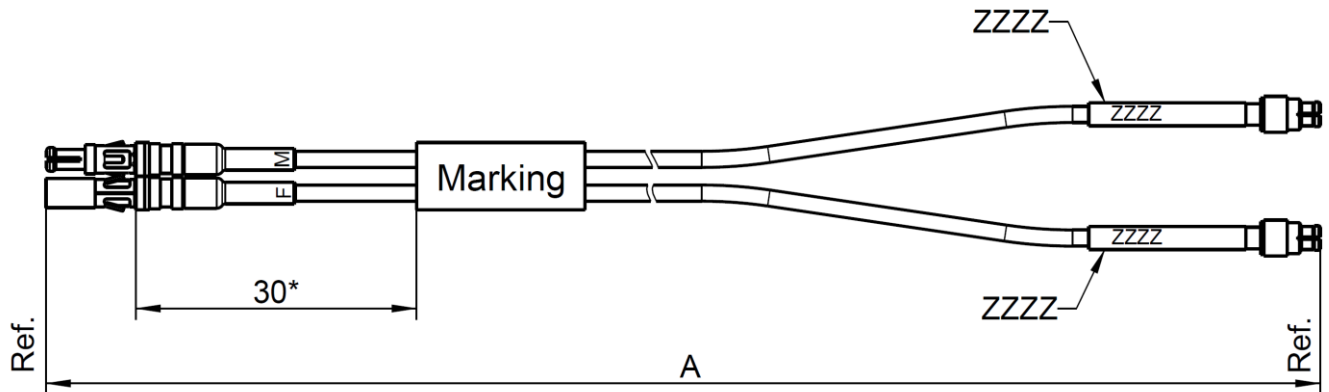


Technical Data Sheet

Rosenberger

Cable Set
Mini Coax Plug / Jack – Mini-SMP Jack – RTK 047

L99-A0487-XXX-Y



All dimensions are in mm; tolerances: $\pm 3\text{mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$
*) movably

Available variants

Type	max. Insertion loss at 40 GHz	Marking	Weight (g) / pce
L99-A0487-XXX-Y	$\leq 0.0073\text{ dB/mm} * A\text{ mm} + 1.2\text{ dB}$	ROSENBERGER YYYYY-WW L99-A0487-XXX-Y FAC-RRRRRRR	$0.011\text{ g/mm} * A\text{ mm} + 1.4\text{ g}$

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	23S104-270L5
Connector left	Mini Coax jack	23K104-270L5
Connector right	Mini-SMP jack	18K101-270L5
Cable	RTK 047	

Assembly parts

Assembly instruction	23 MV-A008
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Cable Set

Mini Coax Plug / Jack – Mini-SMP Jack – RTK 047

L99-A0487-XXX-Y

Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss ¹	≥ 14 dB, DC to 20 GHz ≥ 10 dB, 20 GHz to 40 GHz
Insertion loss ¹	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.:

¹ 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	19.09.19	H. Babinger	19.01.22	a00	22-s036	J. Rohloff	19.01.22

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