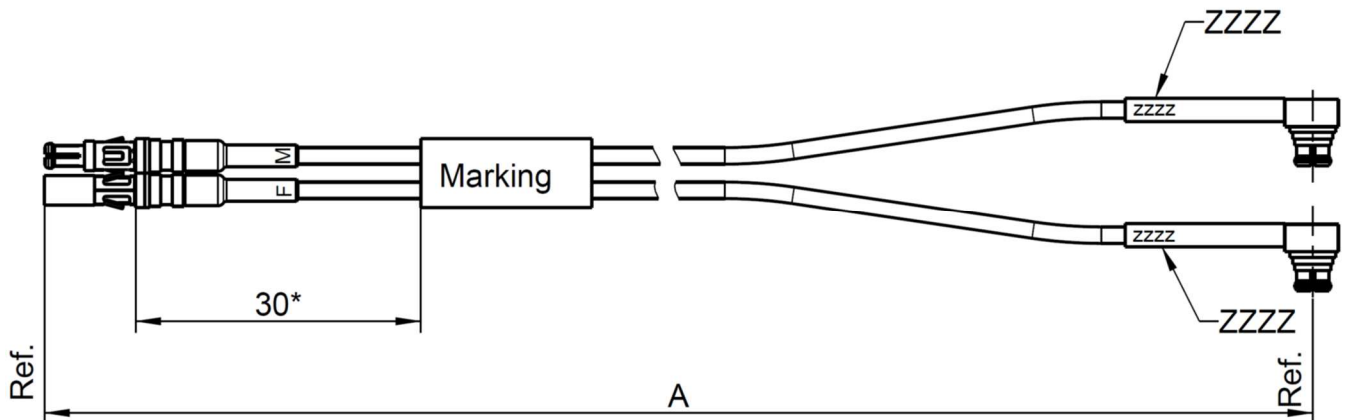


Technical Data Sheet

Rosenberger

cable set
Mini Coax Plug/Jack – SMP jack - RTK 047

L99-A0486-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 26.5 GHz	Marking	Weight (g) / pce
L99-A0486-XXX-Y	$\leq 0.0058\text{ dB/mm} * A\text{ mm} + 1.2\text{ dB}$	ROSENBERGER YYY- L99-A0486-XXX-Y FAC-RRRRRRR	$0.011\text{ g/mm} * A\text{ mm} + 1.6\text{ g}$

XXX – length in mm = A

Y – pair matching (non, 2ps)

WW – week

YYYY – year

zzzz – individual serial no.

FAC – Factory Code

RRRRRRR – lot 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	Mini Coax plug	23S104-270L5
Connector left	Mini Coax jack	23K104-270L5
Connector right	SMP jack, right angle	19K207-270L5
Cable	RTK 047	

Documents

Assembly instruction	23 MV-A008
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L99-A0486-XXX-Y

Electrical data

Impedance 50 Ω
Frequency DC to 26.5 GHz
Return loss¹ ≥ 16 dB, DC to 20 GHz
 ≥ 10 dB, 20 GHz to 26.5 GHz
Insertion loss¹ see table available variants
Phase matched by pairs depending on Part Number
non - non matched
2ps - max. 2ps delay difference

Individual testing:

The S-Parameters (S11; S22; S21; S12) will be tested and the cable pairs are measured for 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

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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Reiner	19.09.19	H. Babinger	17.12.19	200	19-2396	A. Youmsi	17.12.19

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