

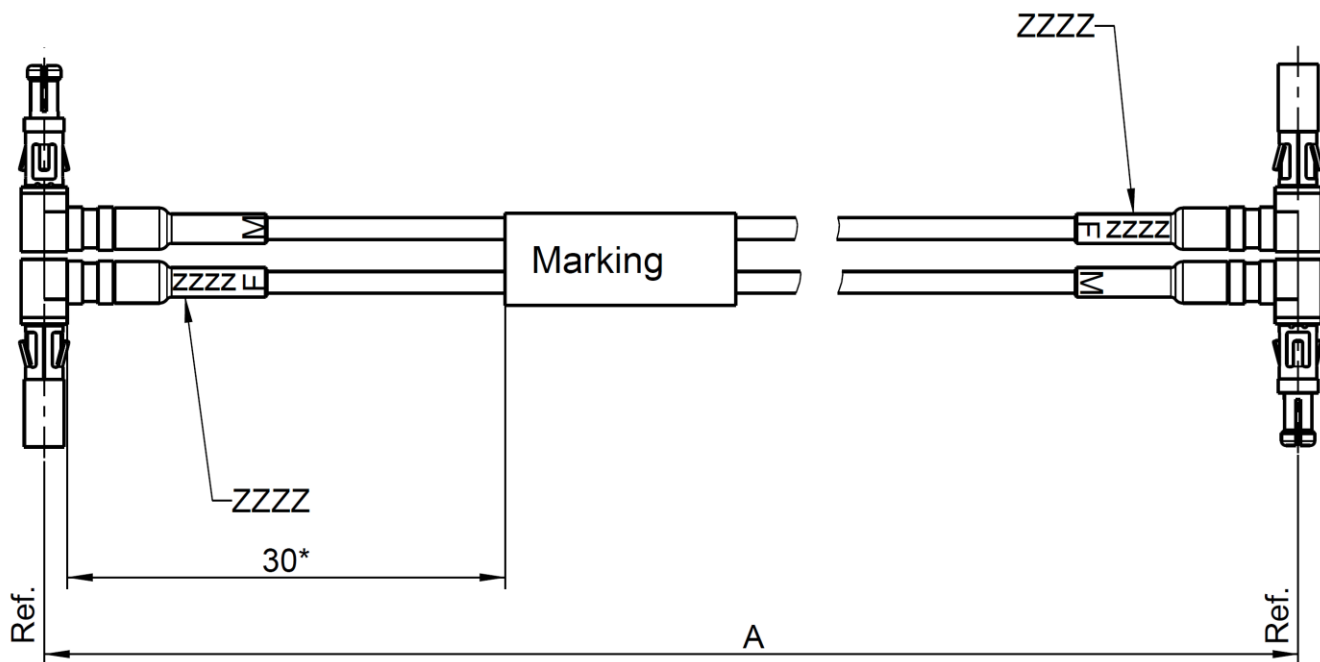
Technical Data Sheet

Rosenberger

Cable Set

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

L99-A0489-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 12 GHz	Marking	Weight (g) / pce
L99-A0489-XXX-Y	$\leq 0.0041\text{ dB/mm} * A\text{ mm} + 0.6\text{ dB}$	ROSENBERGER YYYYY-WW L99-A0489-XXX-Y FAC-RRRRRRR	$0.011\text{ g/mm} * A\text{ mm} + 4.3\text{ g}$

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

Assembly parts

Assembly instruction	23 MV-A008
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Electrical data Impedance Frequency Return loss¹ Insertion loss¹ Phasematched by pairs 50 Ω DC to 12 GHz ≥ 11 dB, DC to 12 GHz see table available variants 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 Multiple 5.1. mm 10.2 mm							
Housing 2 Channel 4 Channel 6 Channel 8 Channel 23Z121-008 23Z121-007 23Z121-004 23Z121-005							
Tooling Extraction tool 23W100-000							
Environmental data Temperature range RoHS -40°C to +115°C 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 F. Reiner 30.09.19 F. Reiner 30.04.24				Rev. Engineering change number Name Date a01 24-0004 M. Gehl 30.04.24			
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