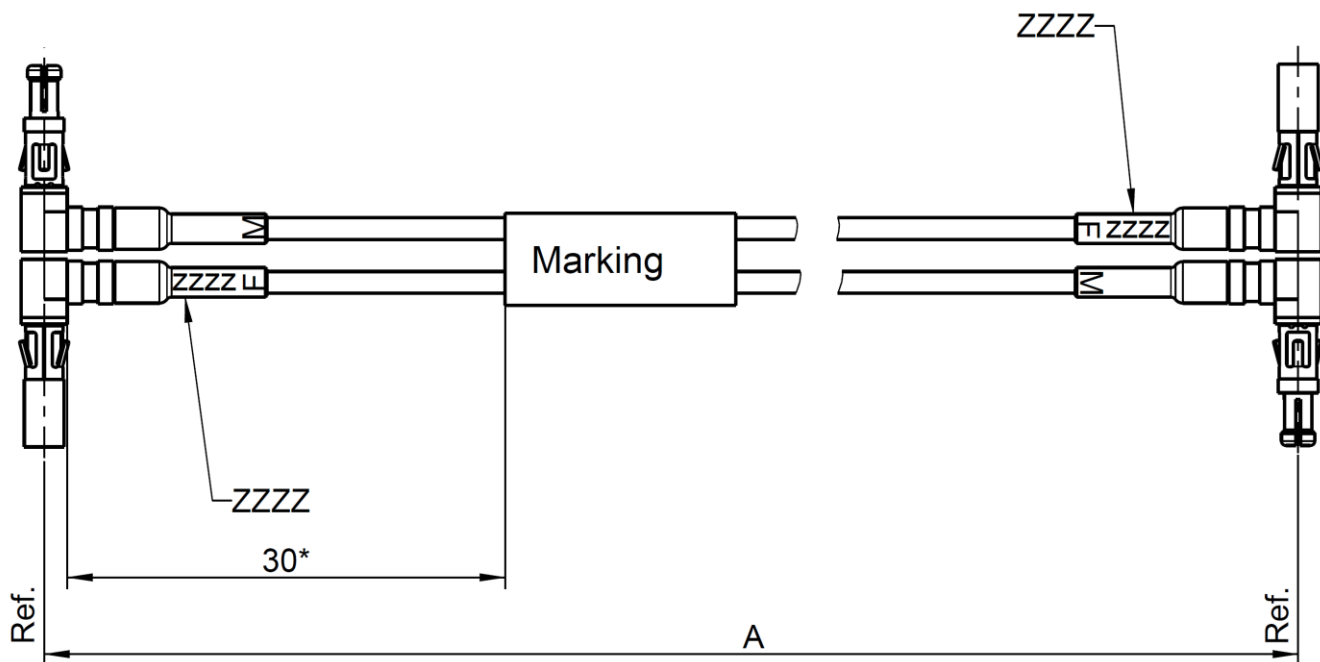


Technical Data Sheet

Rosenbergercable 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	$\leq 0.0039\text{ dB/mm} * A\text{ mm} + 0.6\text{ dB}$	ROSENBERGER YYYYY-WW L99-A0489-XXX-Y FAC-RRRRRRR	$0.011\text{ g/mm} * A\text{ mm} + 4.2\text{ g}$

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

Documents

Assembly instruction

23 MV-A008

Technical Data Sheet				Rosenberger			
cable set Mini Coax Plug/Jack – Mini Coax Jack/Plug - RTK 047				L99-A0489-XXX-Y			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 12 GHz					
Return loss ¹		≥ 11 dB, DC to 12 GHz					
Insertion loss ¹		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	30.09.19	H. Babinger	17.12.19	300	20-2476	S. Schmid	16.12.20
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