

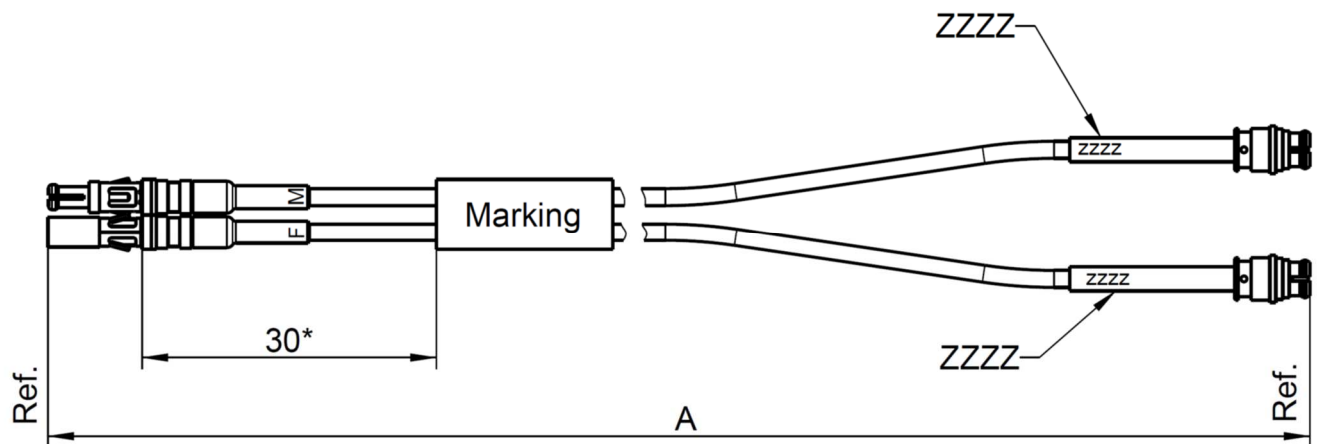
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RF_35/09;14/6.2

Technical Data Sheet

Rosenberger

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

L99-A0485-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-A0485-XXX-Y	$\leq 0.0073\text{ dB/mm} * A\text{ mm} + 1.6\text{ dB}$	ROSENBERGER YYYYY-WW L99-A0485-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	19K107-270L5
Cable	RTK 047	

Documents

Assembly instruction	23 MV-A008
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Electrical data							
Impedance		50 Ω					
Frequency		DC to 40 GHz					
Return loss ¹		≥ 16 dB, DC to 20 GHz					
		≥ 10 dB, 20 GHz to 40 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					
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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