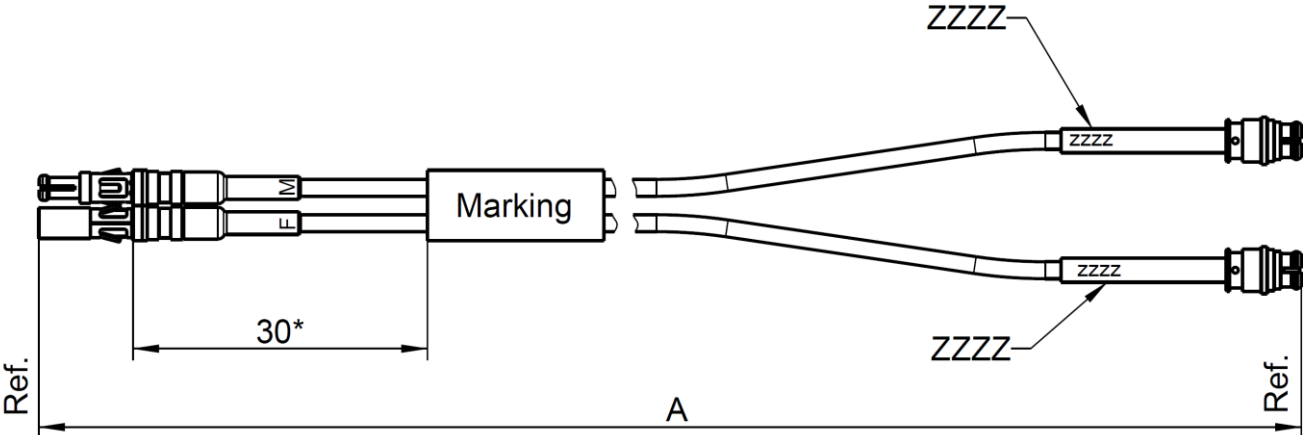


Technical Data Sheet		Rosenberger	
Cable Set Mini Coax Plug / Jack – SMP Jack – RTK 047		L99-A0485-XXX-Y	
 Ref. 30* Marking ZZZZ ZZZZ ZZZZ ZZZZ Ref. A All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm *) movably			
Available variants			
Type	max. Insertion loss at 40 GHz	Marking	Weight (g) / pce
L99-A0485-XXX-Y	≤ 0.0083 dB/mm * A mm + 1.6 dB	ROSENBERGER YYYYY-WW L99-A0485-XXX-Y FAC-RRRRRRR	0.011 g/mm * A mm + 1.6 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	SMP jack	19K107-270L5	
Cable	RTK 047		
Assembly parts			
Assembly instruction	23 MV-A008		
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.com		Tel. : +49 8684 18-0 Email : info@rosenberger.com	Page 1 / 2

Technical Data Sheet				Rosenberger			
Cable Set Mini Coax Plug / Jack – SMP Jack – RTK 047				L99-A0485-XXX-Y			
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					
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					
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	17.09.19	F. Reiner	08.03.23	a00	23-s160	J. Rohloff	07.09.23
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.com				Tel. : +49 8684 18-0 Email : info@rosenberger.com			Page 2 / 2

