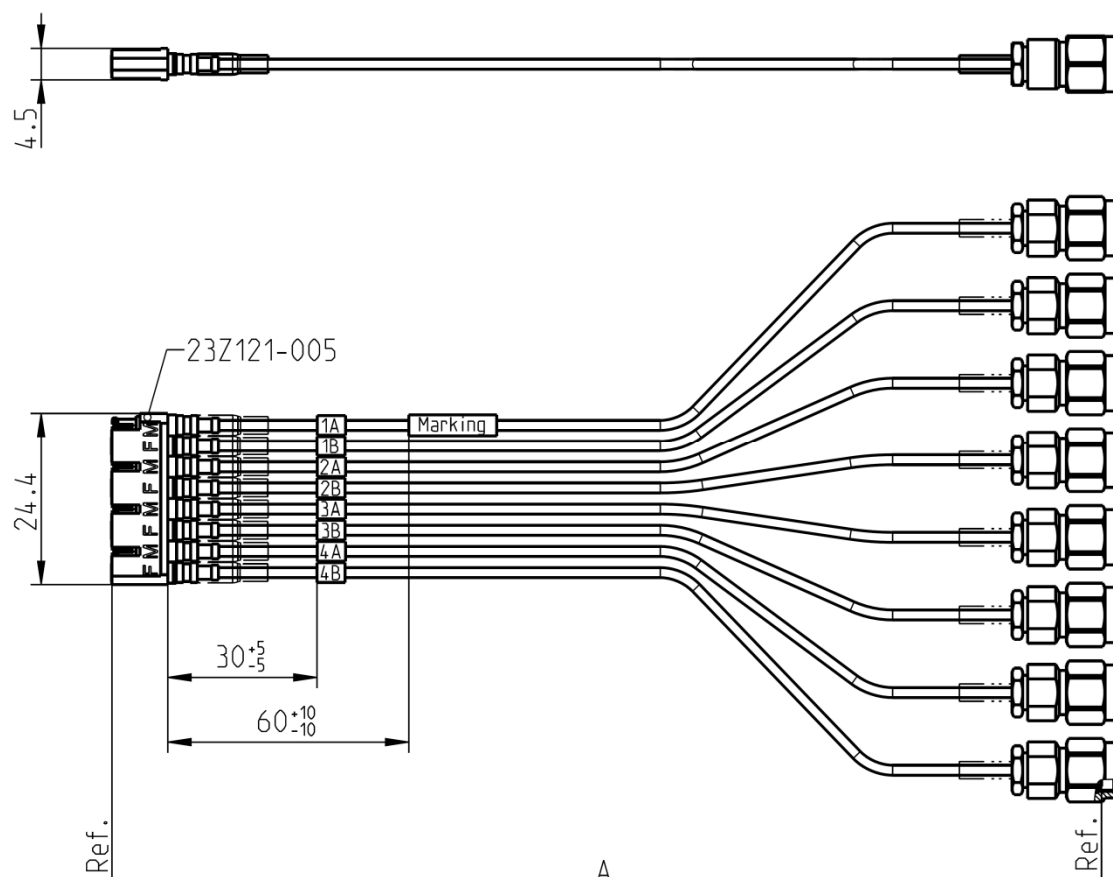


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RF_35/09.14/6.2

Technical Data Sheet		Rosenberger	
Cable assembly Mini Coax Plug/Jack - SMA Plug - RTK 047 Cable		L99-815-XXD	
 All dimensions are in mm; tolerances: $\pm 3\text{mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$			
Available variants			
Type	max. Insertion loss at 20 GHz	Marking	Weight (g) / pce
L99-815-XXD	$\leq 0.0050\text{ dB/mm} * A\text{ mm} + 0.60\text{ dB}$	ROSENBERGER YYYYY-WW L99-815-XXD FAC-RRRRRRR ssss	$0,044\text{ g/mm} * A\text{ mm} + 42.5\text{ g}$
XX – length in cm WW – week	D=8 Channel YYYY – year	A=XX*10 ssss – 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			
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Technical Data Sheet		Rosenberger					
Cable assembly Mini Coax Plug/Jack - SMA Plug - RTK 047 Cable		L99-815-XXD					
Assembly parts							
Connector left	Mini Coax plug	23S103-270L3					
Connector left	Mini Coax jack	23K103-270L3					
Connector right	SMA plug	32S102-270L5					
Cable	RTK 047						
Housing	23Z121-005	(8 channel) Luranyl KR 2402 gray					
Electrical data							
Impedance	50 Ω						
Frequency	DC to 20 GHz						
Return loss ¹	≥ 16 dB, DC to 20 GHz						
Insertion loss ¹	see table available variants						
Phase matched by pairs	max. 5ps 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						
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
Martin Moder	18.08.14	A.Schadhauser	20.02.15	d00	15-0004	S. Andorfer	20.02.15
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