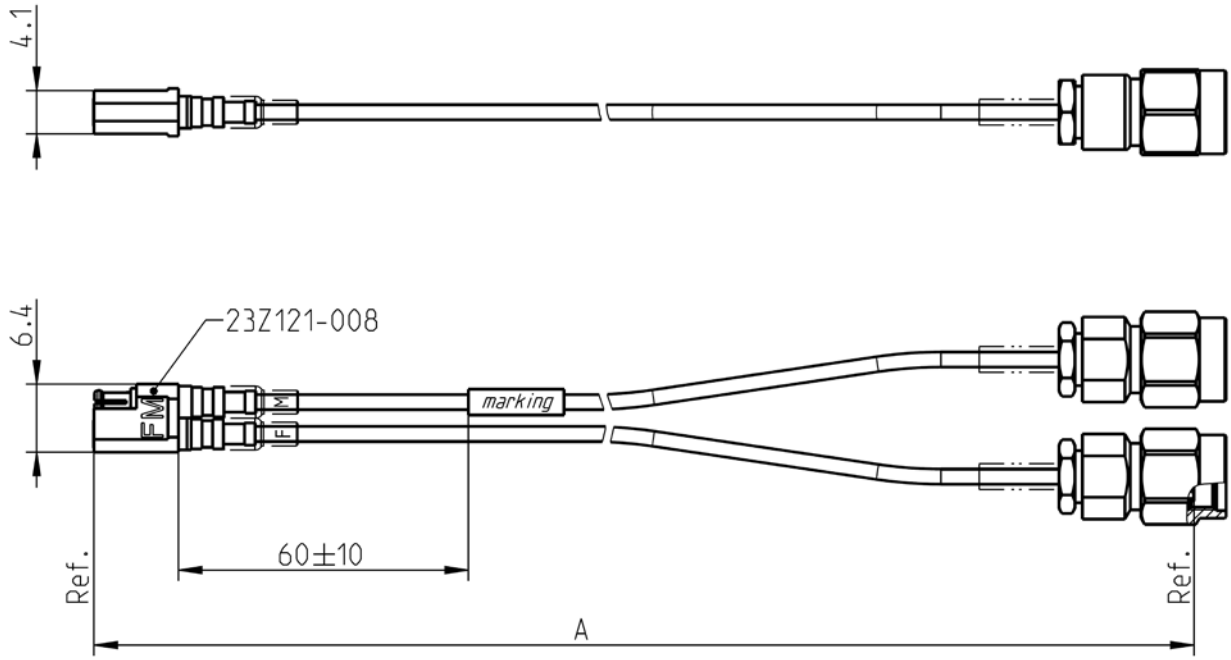
Technical Data Sheet	Rosenberger
Cable assembly Mini Coax Plug/Jack - SMA Plug - RTK 047 Cable	**L99-816-XXF**



All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm

Available variants

Type	max. Insertion loss at 20 GHz	Marking	Weight (g) / pce
L99-816-XXF	≤ 0.0050 dB/mm * A mm + 0.60 dB	ROSENBERGER YYYY-WW L99-816-XXF FAC-RRRRRRR ssss	0,011 g/mm * A mm + 10,7 g

XX – length in cm *F=2 Channel* *A=XX*10*
WW – week *YYYY – year* *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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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	23Z121-008	(2 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

Individual testing:
The S-Parameters (S11; S22; S21; S12) will be tested

[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

Draft	Date	Approved	Date
Martin Moder	27.07.15	Herbert Babinger	11.08.15

Rev.	Engineering change number	Name	Date
d00	15-1020	Kathrina Mitterer	11.08.15

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