



All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm
*) If length "A" < 150 mm marking is mount centric ±5 mm

Available variants

Type	Insertion loss at 26.5 GHz	Marking	Weight (g) / pce
LU7-509-XXX	≤ 0.00203 dB/mm * A mm + 0.4 dB	ROSENBERGER ssss LU7-509-XXX FAC-RRRRRRR 	0.139 g/mm * A mm + 28 g

XXX – length in mm = A
ssss – serial no. FAC – Factory Code RRRRRRR – lot no. Barcode = includes factory code, lot no. and serial 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	RPC-3.50 plug	03S129-2U7S3
Connector right	RPC-3.50 jack	03K129-2U7S3
Cable	RTK 162	
Armour	T3 Armour	
Clamping sleeve	Stainless steel	05S129-2U7/41
Tension sleeve	Stainless steel	05S129-2U7/41

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss ¹	≥ 19 dB, DC to 26.5 GHz
Insertion loss ¹	see table available variants

Individual testing and documentation:
Measurement plot with all 4 S-Parameters (S11; S22; S21; S12) and the care and handling instruction are included with the cable assembly. Measurement adaptors used are mentioned in the commentary field.

¹ Return Loss and Insertion Loss includes the measurement adaptor

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Technical Data Sheet

Rosenberger

Cable assembly
RPC-3.50 plug – RTK 162 – RPC-3.50 jack - Armour

LU7-509-XXX

Mechanical data

Minimum bend radius:
Multiple 53 mm

Environmental data

Temperature range -40°C to +85°C
RoHS compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Moder	05.04.19	H. Babinger	19.06.19	100	19-v419	A. Youmsi	19.06.19

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