



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 26.5 GHz	Marking	Weight (g) / pce
LU7-115-XXX	$\leq 0.00203\text{ dB/mm} \cdot A\text{ mm} + 0.4\text{ dB}$	ROSENBERGER YYYY-WW LU7-115-XXX FAC-RRRRRRR SSSS	$0.263\text{ g/mm} \cdot A\text{ mm} + 32\text{ g}$

XXX – length in mm = A

Standard lengths are 500, 1000, 1500 and 2000 mm

WW – week

YYYY – year

ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

Assembly parts

Connector left	RPC-3.50 plug	03S122-2U7S3
Connector right	RPC-3.50 plug	03S122-2U7S3
Cable	RTK 162	
Armour	T1 - Polyurethane jacket over braid / stainless steel spiral	

Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss ¹	$\geq 19\text{ dB}$, 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) is included with the cable assembly and on the backside the care and handling instruction is printed. Measurement adaptors used are mentioned in the commentary field.

¹ Includes measurement adaptor

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Technical Data Sheet				Rosenberger			
Cable assembly RPC-3.50 Plug / RPC-3.50 Plug - RTK 162 Cable - T1				LU7-115-XXX			
Mechanical data Minimum bend radius: Single25.5 mmMultiple50.8 mmCrush resistance80 N/mm							
Environmental data Temperature range-40°C to +80°CRoHScompliant							
Packing Standard1 pce in box							
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