



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

**Available variants**

Type	max. Insertion loss at 70 GHz	Marking	Weight (g) / pce
LU5-104-XXX	≤ 0.00639 dB/mm * A mm + 1 dB	ROSENBERGER YYYY-WW LU5-104-XXX FAC-RRRRRRR ssss	0.1641 g/mm * A mm + 29.4 g

XXX – length in mm = A

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

**Assembly parts**

Connector left	RPC-1.85 Plug	08S128-2U5S3
Connector right	RPC-1.85 Jack	08K128-2U5S3
Cable	RTK 092-70	
Armour	T1 armour Outer Diameter 9.3mm (Polyurethane jacket over braid / stainless steel spiral)	

**Electrical data**

Impedance	50 Ω
Frequency	DC to 70 GHz
Return loss <sup>1</sup>	≥ 14 dB, DC to 70 GHz
Insertion loss <sup>1</sup>	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.

<sup>1</sup> Including measurement adaptor if necessary

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# Technical Data Sheet

# Rosenberger

Cable assembly - Standardportfolio  
RPC-1.85 Plug / Jack – RTK 092-70 Cable – T1 Armour

## LU5-104-XXX

### Mechanical data

Minimum bend radius:

Single 12.7 mm  
Multiple 38.1 mm

### Environmental data

Temperature range -40°C to +80°C  
RoHS compliant

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Martin Moder	13.02.12	Florian Reiner	13.06.16	e00	16-0912	A. Youmsi Mouafo	13.06.16

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