

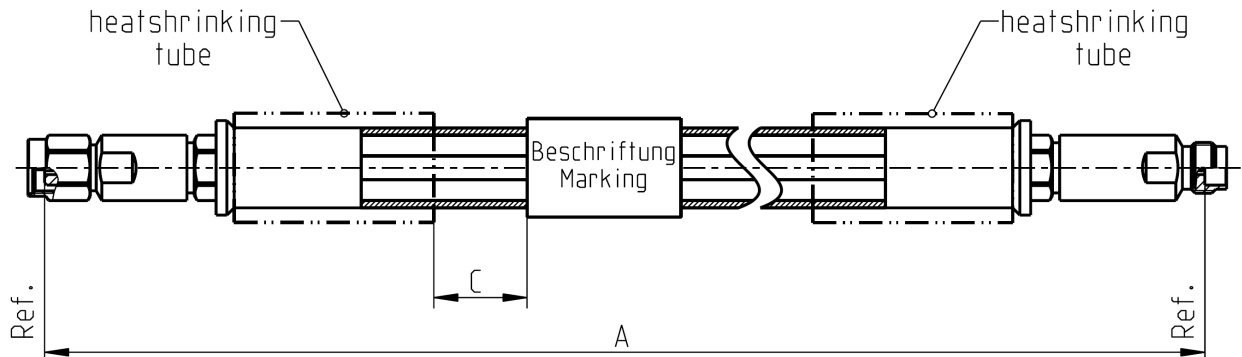
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RF_35/05.10/6.0

Technical Data Sheet

Rosenberger

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

LU5-104-XXX



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 70 GHz	Marking	Weight (g) / pce
LU5-104-XXX	$\leq 0.00639\text{ dB/mm} * A\text{ mm} + 1\text{ dB}$	ROSENBERGER YYYY-WW LU5-104-XXX FAC-RRRRRRR ssss	$0.1641\text{ g/mm} * A\text{ mm} + 29.4\text{ g}$

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 ¹	$\geq 14\text{ dB}$, DC to 70 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 Including measurement adaptor if necessary

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Mechanical data Minimum bend radius: Single12.7 mm Multiple38.1 mm							
Environmental data Temperature range-40°C to +80°C RoHScompliant							
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