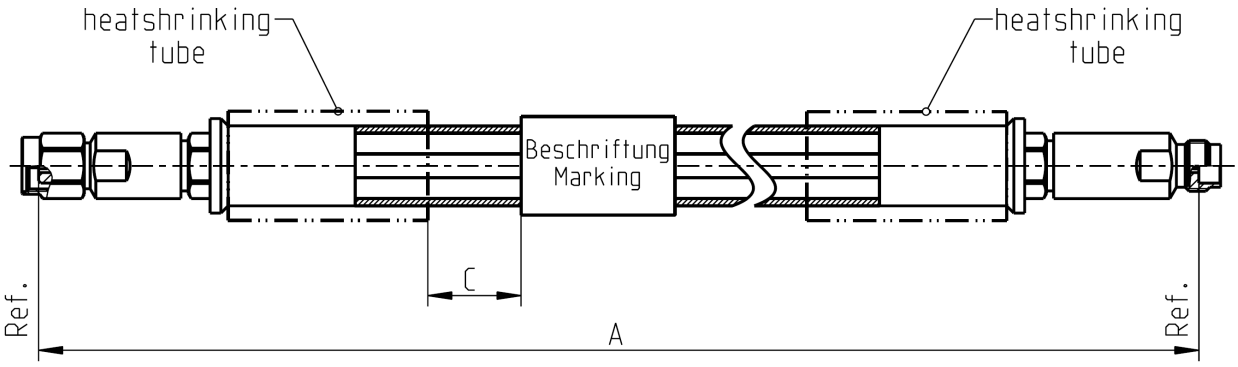
Technical Data Sheet

Rosenberger

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

LU5-104-XXX



All dimensions are in mm; tolerances: ± 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[1]	≥ 14 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:	
Single	12.7 mm
Multiple	38.1 mm

Environmental data

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

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