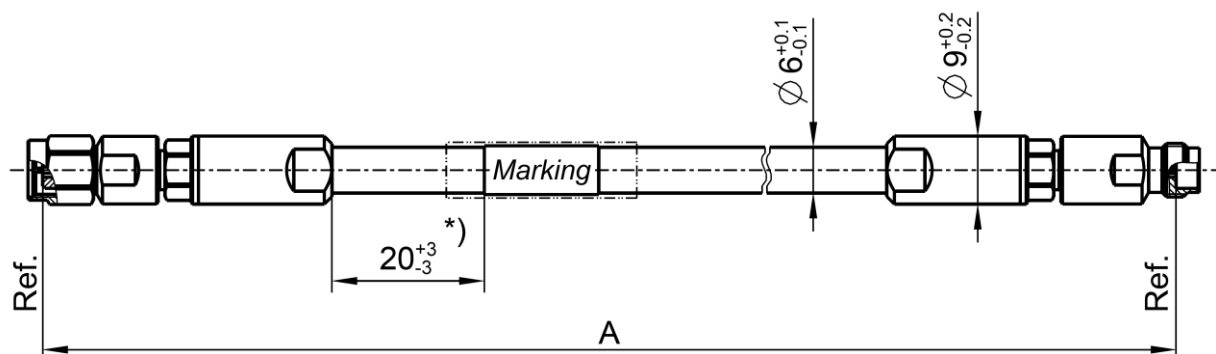


Technical Data Sheet

RosenbergerCable assembly
RPC-1.85 plug – RTK 092-70 – RPC-1.85 jack -Armour**LU5-503-XXX**All dimensions are in mm; tolerances: ± 3 mm for $A \leq 300$ mm; $\pm 1\%$ for $A > 300$ mm*) If length "A" < 150 mm marking is mount centric ± 5 mm**Available variants**

Type	Insertion loss at 70 GHz	Marking	Weight (g) / pce
LU5-503-XXX	$\leq 0.00639 \text{ dB/mm} * A \text{ mm} + 0.9 \text{ dB}$	ROSENBERGER ssss LU5-503-XXX FAC-RRRRRRR 	$0.076 \text{ g/mm} * A \text{ mm} + 24.4. \text{ g}$

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-1.85 plug	08S129-2U5S3
Connector right	RPC-1.85 jack	08K129-2U5S3
Cable	RTK 092-70	
Armour	T3 Armour	
Clamping sleeve	Stainless steel	08S129-2U5/43
Tension sleeve	Stainless steel	08S129-2U5/44

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) 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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RF_35/09.14/6.2

Technical Data Sheet				Rosenberger			
Cable assembly RPC-1.85 plug – RTK 092-70 – RPC-1.85 jack -Armour				LU5-503-XXX			
Mechanical data Minimum bend radius: Multiple32 mm Environmental data Temperature range-40°C to +85°C RoHScompliant							
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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