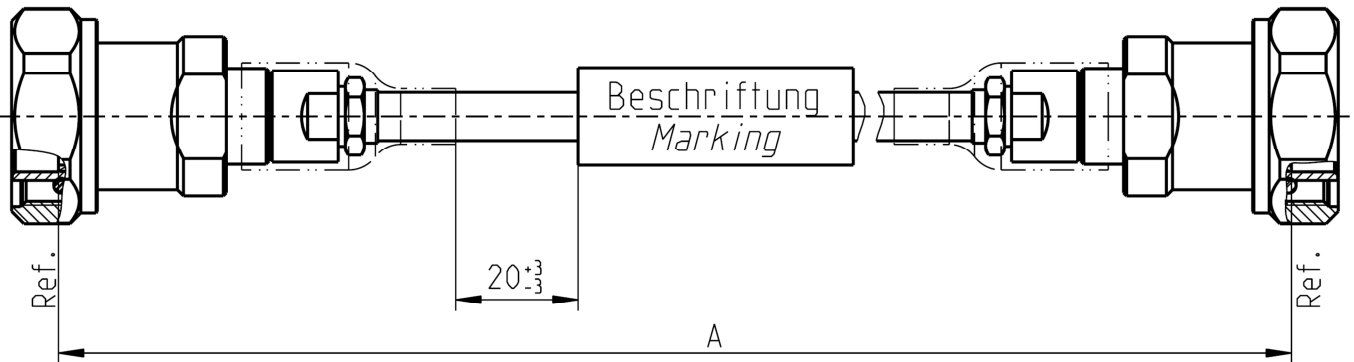


Cable assembly
7/16 Plug / 7/16 Plug – RTK 081 Cable

LA2-020-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 X GHz	Marking	Weight (g) / pce
LA2-020-XXX	$\leq 0.0005\text{ dB/mm} * A\text{ mm} + 0.3\text{ dB}$	ROSENBERGER YYYY-WW LA2-020-XXX FAC-RRRRRRR SSSS	$0.138\text{ g/mm} * A\text{ mm} + 290\text{ g}$

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	7/16 plug	60S151-2A2N1
Connector right	7/16 plug	60S151-2A2N1
Cable	RTK 081	

Electrical data

Impedance	50 Ω
Frequency	DC to 8 GHz
Return loss ¹	$\geq 19\text{ dB}$, DC to 8.0 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 Return Loss and Insertion Loss includes the measurement adaptor

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Technical Data Sheet				Rosenberger			
Cable assembly 7/16 Plug / 7/16 Plug – RTK 081 Cable				LA2-020-XXX			
Mechanical data Minimum bend radius: Single31.75 mm Multiple76.2 mm							
Environmental data Temperature range-40°C to +85°C RoHScompliant							