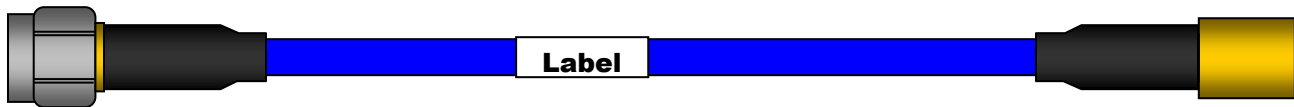


# Cable Assembly Specification

Rosenberger NA p/n: L71-796-XXXXX



**RoHS Compliant**

## Description

Rosenberger: Cable; RTK-Flex 405  
Connector Combination; SMA (m) straight / SMA PUSH ON (m) straight  
Length in millimeters: (XXXXX mm)

## General Electrical Specifications

Impedance:	50 +/- 2 Ohms
Operating Frequency:	DC to 18 GHz
Return Loss:	15 dB minimum up to 18 GHz
Cable Insertion Loss:	3.60 dB/m @ 18 GHz (typical)
Velocity of Propagation (%):	70% nominal
Shielding Effectiveness (dB@ 1GHz):	>90 dB
Working Voltage:	350 Vrms

## Mechanical Specification

Cable Diameter:	2.64 mm nominal
Minimum Bend Radius:	6.35 mm
Mating Torque: SMA:	0.8 Nm to 1.1Nm
Mating Cycles:	> 500
Temperature Range:	-65°C to 125°C

## MATERIALS AND FINISHES

Cable:	RTK-Flex 405-FEP; SCP Center Conductor
Connector Interface:	Per MIL-STD-348A
Connector Types, Material & Plating	
SMA:	Coupling Nut: Passivated Stainless Steel; typical Outer Contact; Gold Plated Beryllium Copper or equivalent Center Conductor; Gold Plated brass
SMA PUSH ON:	Body: Gold Plated Brass Outer Contact; Gold Plated Beryllium Copper or equivalent Center Conductor; Gold Plated Beryllium Copper

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