

# Cable Assembly Specification

Rosenberger NA P/N: L71-404-XXX



## Description

Rosenberger: Cable: RTK-Flex-405-SPC-FEP  
 Connector Combination: SMA+ (m) straight / SMA+ (m) straight  
 Length in millimeters: (XXX mm)

## General Electrical Specifications

Impedance: 50 ± 2 Ohms  
 Operating Frequency: DC to 36 GHz  
 Return Loss: 18 dB minimum up to 36 GHz  
 Cable Insertion Loss: 5.2 dB/m @ 36 GHz (typical)  
 Velocity of Propagation (%): 69.5 % nominal  
 Shielding Effectiveness: >100 dB @ 1GHz  
 Working Voltage: 850 Vrms

## Mechanical Specification

Cable Diameter: 2.64 mm nominal  
 Minimum Bend Radius: 6.35 mm  
 Mating Torque: 0.8 Nm to 1.1Nm  
 Mating Cycles: > 500  
 Temperature Range: -65°C to +155°C

## MATERIALS AND FINISHES

Cable: RTK-FS-085-FEP; SCPW Center Conductor,  
 Connector Interface Per MIL-STD-348A  
 Connector Types, Material & Plating  
 Coupling nut: passivated stainless steel  
 Outer contact: gold plated beryllium copper or equivalent  
 Center conductor: gold plated brass

| Part Number  | Length<br>(End to End,<br>mm) |
|--------------|-------------------------------|
| L71-404-305  | 305                           |
| L71-404-457  | 457                           |
| L71-404-610  | 610                           |
| L71-404-915  | 915                           |
| L71-404-1220 | 1220                          |
| L71-404-1830 | 1830                          |

\* For pair matching requirements, please contact the factory

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