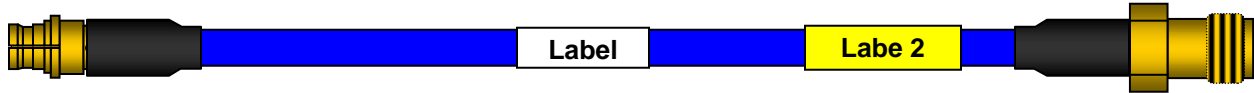


# Cable Assembly Specification

Rosenberger NA p/n: L71-801-XXX

**RoHS Compliant**



## Description

**Rosenberger:** Cable: RTK-FS 085-FEP/SPCW  
Connector Combination: SMP female straight / SMA+ female straight  
Length in millimeters: XXX

## General Electrical Specifications

<b>Impedance:</b>	50 ± 2 Ohms
<b>Operating Frequency:</b>	DC to 36 GHz
<b>Return Loss:</b>	18 dB min up to 18 GHz
<b>Cable Insertion Loss:</b>	4.8 dB/m @ 26 GHz (typical)
<b>Velocity of Propagation:</b>	70% nominal
<b>Shielding Effectiveness:</b>	>100 dB @ 1GHz
<b>Working Voltage:</b>	335 Vrms

## Mechanical Specification

<b>Cable Diameter:</b>	2.50 mm nominal
<b>Minimum Bend Radius:</b>	6 mm
<b>Mating Torque: SMA+</b>	8.1 Nm to 13 Nm
<b>Engagement/Disengagement Force: SMP</b>	45 N max / 9 N min – Limited Detent Mating Connector
<b>Mating Cycles: SMP / SMA+</b>	> 500
<b>Temperature Range:</b>	-65°C to +150°C

## MATERIALS AND FINISHES

<b>Cable:</b>	<b>RTK-FS 085-FEP; SCPW Center Conductor, Per MIL-STD-348 Hybrid</b>
<b>Connector Interface:</b>	
<b>Connector Types, Material &amp; Plating:</b>	<b>SMA+: Outer contact:</b> gold plated beryllium copper or equivalent <b>Dielectric:</b> PTFE <b>Center contact:</b> gold plated brass
	<b>SMP: Outer &amp; center contact:</b> gold plated beryllium copper or equivalent <b>Dielectric:</b> PTFE