

# Cable Assembly Specification

Rosenberger P/N: L72-448-XXX

**Rosenberger®**

Rosenberger of North America, LLC

**RoHS Compliant**



## Description

<b>Series:</b>	<b>Rosenberger R-Flex®</b>
<b>Cable:</b>	<b>RTK-Flex 402</b>
<b>Connector Combination:</b>	<b>SMA male straight / SMA male straight</b>
<b>Length in millimeters:</b>	<b>XXXXXX mm</b>
<b>Strain Relief:</b>	<b>Heatshrink-covered overmold</b>

## Electrical Specification

<b>Impedance:</b>	<b>50 ± 2 Ohms</b>
<b>Operating Frequency:</b>	<b>DC to 18 GHz</b>
<b>Return Loss:</b>	<b>18 dB up to 18 GHz</b>
<b>Cable Insertion Loss:</b>	<b>2.25 dB/m @ 18 GHz (typical)</b>
<b>Connector Insertion Loss:</b>	<b>0.13 dB @ 18 GHz (max each)</b>
<b>Velocity of Propagation:</b>	<b>70% nominal</b>
<b>Shielding Effectiveness:</b>	<b>&gt; 90 dB @ 1GHz</b>
<b>Working Voltage:</b>	<b>480 Vrms</b>

## Mechanical Specification

<b>Cable Diameter:</b>	<b>4.12 mm nominal</b>
<b>Minimum Bend Radius:</b>	<b>12.7 mm</b>
<b>Mating Torque (SMA):</b>	<b>0.8 N-m to 1.1N-m</b>
<b>Mating Cycles:</b>	<b>&gt; 500</b>
<b>Temperature Range:</b>	<b>-55°C to +125°C</b>

## Materials and Finishes

<b>Cable Type:</b>	<b>Based on RG-402 Coax</b>
<b>Cable Jacket:</b>	<b>FEP</b>
<b>Cable Outer Conductor:</b>	<b>SPC braid over SPC foil</b>
<b>Cable Center Conductor:</b>	<b>solid SPC</b>
<b>Cable Dielectric:</b>	<b>PTFE</b>
<b>Connector Interface:</b>	<b>SMA per MIL-STD-348A</b>
<b>Connector Coupling Nut:</b>	<b>Passivated Stainless Steel</b>
<b>Connector Outer Contact:</b>	<b>Gold-Plated Beryllium Copper or equivalent</b>
<b>Connector Center Conductor:</b>	<b>Gold-Plated Brass</b>
<b>Connector Dielectric:</b>	<b>PTFE</b>
<b>Connector Gasket:</b>	<b>Silicone</b>
<b>Overmold:</b>	<b>Thermoplastic Polyester Resin</b>
<b>Heatshrink Tubing:</b>	<b>Polyolefin</b>

Phone: 717 859 8900  
Fax: 717 859 7044

Rosenberger of North America, LLC  
PO Box 309  
Akron PA 17501

[www.rosenbergerna.com](http://www.rosenbergerna.com)  
[info@rosenbergerna.com](mailto:info@rosenbergerna.com)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [RF Cable Assemblies](#) category:*

*Click to view products by [Rosenberger](#) manufacturer:*

Other Similar products are found below :

[73-6352-10](#) [73-6353-3](#) [73-6364-6](#) [R285001001](#) [R288940004](#) [145111-05-12.00](#) [1661-C-24](#) [1801171170914KE](#) [24P104C24J1-012](#)  
[24P104C24P1-006](#) [24P104C24P1-018](#) [24P204C24J1-003](#) [172-2150-EX](#) [1800920920914PJ](#) [FCB-3030-ALT](#) [21117-046](#) [21117-050](#) [PCX-24-](#)  
[50](#) [24P103C24P2-003](#) [25P203C25P2-003](#) [R284008001](#) [R285001021](#) [R285426000](#) [R288940003](#) [4814-BB-24](#) [5260-72](#) [JT2N1-CL1-1F](#) [DLP-](#)  
[COAX1](#) [4814-K-48](#) [115101-09-06.00](#) [MXHT83QE3000](#) [CCNTN2-MM-LL335-26](#) [73-6351-25](#) [73-6352-3](#) [73-6353-25](#) [1800920920610PJ](#)  
[GD0BQ0BQ024.0](#) [1-3636-600-5210](#) [TL8A-11SMA-11SMA-01500-51](#) [R284C0351060](#) [R288940009](#) [R284C0351028](#) [R288940002](#) [9702-](#)  
[1SL-1](#) [PT82NSMA](#) [73-6353-10](#) [R285020301W](#) [PCX-18-50](#) [Minibend-9](#) [Minibend-4](#)