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## **RG-402 Patch Cable N Male to SMA Male Low PIM 30cm**

SKU  
ACC-PT-00304  
MPN  
CA-R402-N1SA1.030  
Barcode  
9337692002519

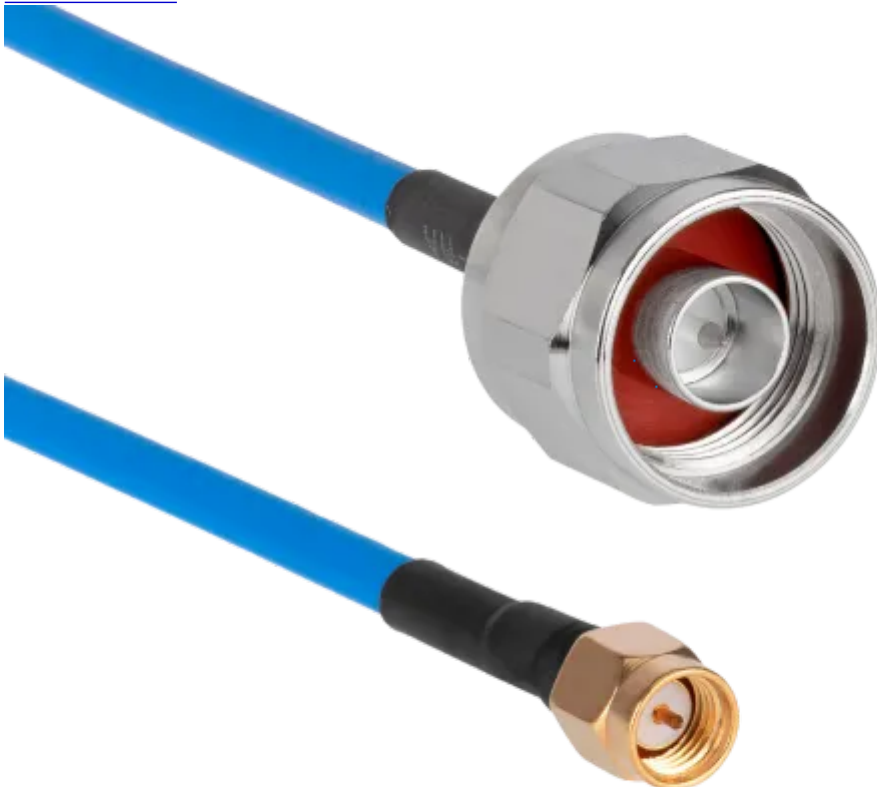
## Description

The RG-402 Patch Cable N Male to SMA Male Low PIM 30cm (SKU: ACC-PT-00304) by Powertec is a high-performance RF cable designed for efficient component interconnection. Featuring the PSF-402 Series, this 0.141" semi-flexible coaxial cable offers low loss with a durable 4.2 mm bright blue outer jacket. It supports frequencies up to 34 GHz, making it ideal for various RF applications.

The cable provides excellent RF shielding with a tin-soaked copper braid, ensuring minimal interference. Its malleable outer jacket prevents solder joint failures, allowing for bends right behind the fillet, while its low PIM rating of -120 dBc ensures high signal integrity. Designed to withstand over 500 mating cycles, this cable is reliable for long-term use.

This 0.3 m cable, weighing 58 grams, features a N Male connector on one end and a SMA Male connector on the other, both with a straight body shape and free-hanging mounting style. It meets ISO 9001 and...

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## Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

## RF Specification

Start Frequency

0 GHz

PIM, 3rd Order

-120 dBc

Stop Frequency

6 GHz

VSWR Measurement

### **Frequency VSWR**

3000 MHz  $\leq 1.2:1$

6000 MHz  $\leq 1.5:1$

## Physical Specification

Subtype

[Patch Cable](#)

Mating Cycles

> 500

Compliance/Certifications

Length

0.3 m

Weight

58 g

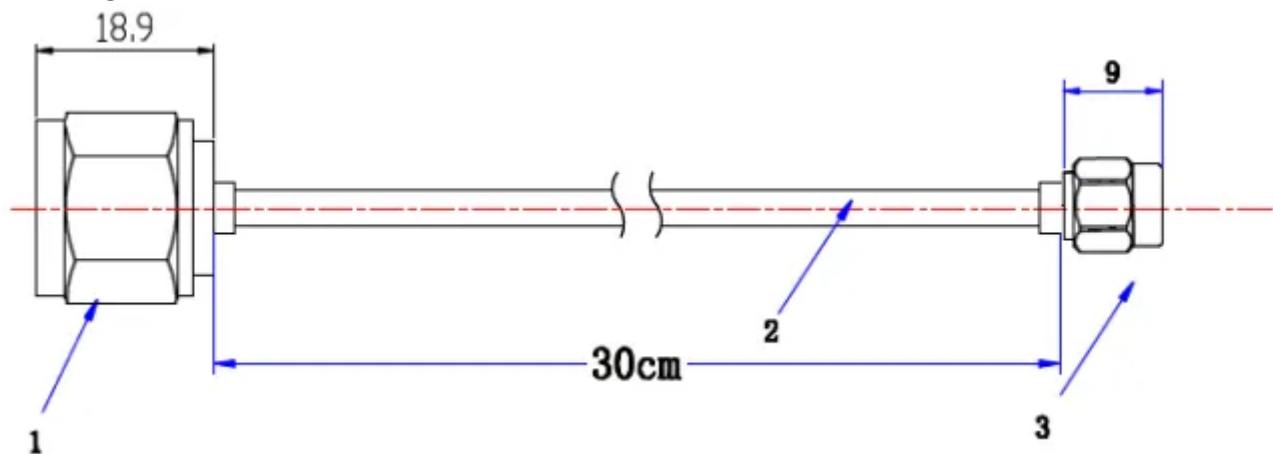
## RF Connectors

### RF Interface Body Shape Mounting

[N Male](#)      [Straight](#)      [Free Hanging](#)

[SMA Male](#)      [Straight](#)      [Free Hanging](#)

Drawing



### [PSF-402](#)

Min. Frequency

0 GHz

Impedance

50  $\Omega$

Min. Bend Radius Static

8 mm

Min. Bend Radius Dynamic

40 mm

Max. Frequency

34 GHz

Shielding Effectiveness

> 110 dB

Colour

Blue

## Cable Layers

Layer	Diameter	Materials
Inner Conductor	0.93 mm	<a href="#">Silver Plated Copper (SC)</a>
Dielectric	3.00 mm	<a href="#">PTFE / Teflon</a>
Outer Conductor	3.52 mm	<a href="#">Tin Soaked Copper Braid</a>
Outer Jacket	4.20 mm	<a href="#">Polyolefin LSZH</a>

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