

# 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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## RF Specification

|  |   |                          |
|--|---|--------------------------|
| Start Frequency:<br><br>PIM, 3rd Order: | Powertec<br>0 GHz<br>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 ... | Stop Frequency:<br>6 GHz |
| VSWR Measurement   |   |                          |

**Frequency**

3000 MHz

6000 MHz

**VSWR** $\leq 1.2:1$  $\leq 1.5:1$ 

# Physical Specification

|          |             |         |       |
|----------|-------------|---------|-------|
| Subtype: | Patch Cable | Length: | 0.3 m |
|----------|-------------|---------|-------|

|                |       |         |      |
|----------------|-------|---------|------|
| Mating Cycles: | > 500 | Weight: | 58 g |
|----------------|-------|---------|------|

|                            |                             |
|----------------------------|-----------------------------|
| Compliance/Certifications: | ISO 9001 Quality Management |
|----------------------------|-----------------------------|

|      |  |
|------|--|
| RoHS |  |
|------|--|

**RF Connectors****RF Interface**

N Male

SMA Male

**Body Shape**

Straight

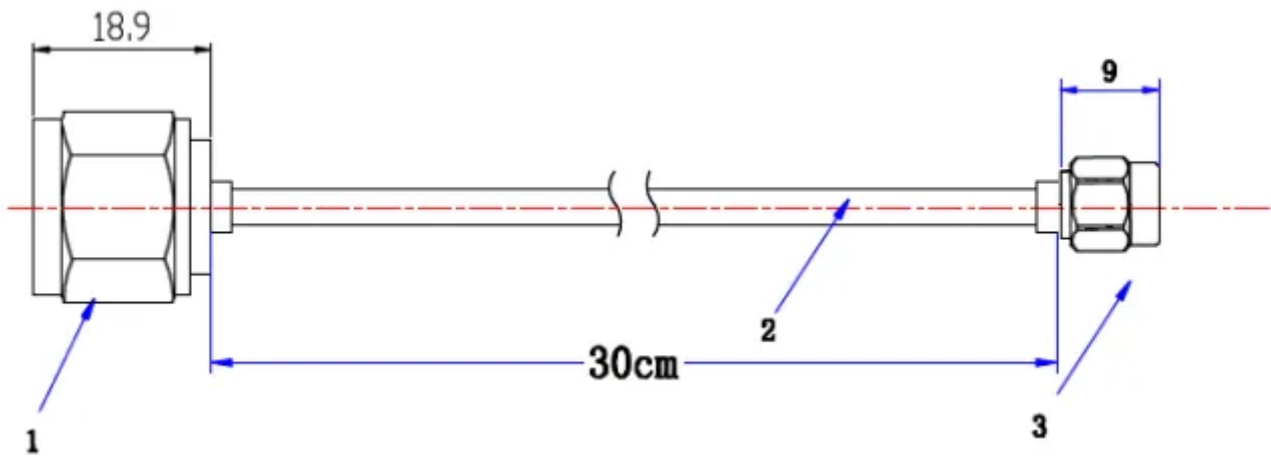
Straight

**Mounting**

Free Hanging

Free Hanging

## Drawing

**PSF-402**

|                           |       |                          |          |
|---------------------------|-------|--------------------------|----------|
| Min. Frequency:           | 0 GHz | Max. Frequency:          | 34 GHz   |
| Impedance:                | 50    | Shielding Effectiveness: | > 110 dB |
| Min. Bend Radius Static:  | 8 mm  | Colour:                  | Blue     |
| Min. Bend Radius Dynamic: | 40 mm |                          |          |

Cable Layers

| Layer           | Diameter | Materials                 |
|-----------------|----------|---------------------------|
| Inner Conductor | 0.93 mm  | Silver Plated Copper (SC) |
| Dielectric      | 3.00 mm  | PTFE / Teflon             |
| Outer Conductor | 3.52 mm  | Tin Soaked Copper Braid   |
| Outer Jacket    | 4.20 mm  | Polyolefin LSZH           |

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