

RG-402 Patch Cable N Male to N Male Low PIM 50cm

SKU: ACC-PT-00368

MPN: CA-R402-N1N1.050

Barcode: 9337692002588

Description

The RG-402 Patch Cable N Male to N Male Low PIM 50cm, identified by SKU: ACC-PT-00368 and part number CA-R402-N1N1.050, is a high-performance coaxial cable developed by Powertec. This cable belongs to the RF Cables category and features the PSF-402 type, known for its 0.141" semi-flexible design and bright blue 4.2 mm outer jacket. It supports frequencies up to 34 GHz, making it an excellent choice for RF component interconnections due to its balance of cost and performance.

The PSF-402 series offers exceptional RF shielding with a tin-soaked copper braid, ensuring near-total effectiveness. Its hand-formable nature and flexible jacket prevent solder joint failures, allowing bends directly behind the fillet. This cable is designed for durability, withstanding over 500 mating cycles and operating within a frequency range of 0 GHz to 6 GHz. Weighing 63 grams and measuring 0.5 m, it complies with ISO 9001 and RoHS standards.

Both ends of the...

[Read More](#)



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 | Stop Frequency: | 6 GHz |
| PIM, 3rd Order: | -155 dBc | | |

VSWR Measurement

| Frequency | VSWR |
|-----------|---------|
| 3000 MHz | ≤ 1.2:1 |
| 6000 MHz | ≤ 1.5:1 |

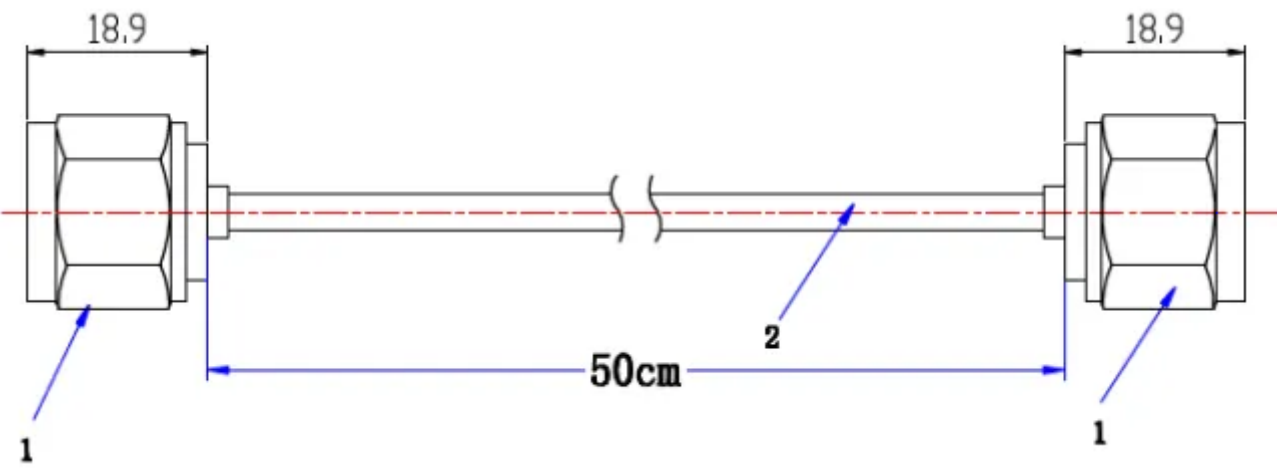
Physical Specification

| | | | |
|----------------------------|-----------------------------|---------|-------|
| Subtype: | Patch Cable | Length: | 0.5 m |
| Mating Cycles: | > 500 | Weight: | 63 g |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

RF Connectors

| RF Interface | Body Shape | Mounting |
|--------------|------------|--------------|
| N Male | Straight | Free Hanging |
| N Male | Straight | 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 |

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

