

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

SKU: ACC-PT-00364

MPN: CA-R402-N2SA1.050

Barcode: 9337692002540

Description

The RG-402 Patch Cable, model ACC-PT-00364, is a high-performance RF cable developed by Powertec, suitable for component interconnection in various applications. This 50 cm cable features an N Female to SMA Male connection and is made from Powertec's PSF-402 series, a 0.141" semi-flexible, low-loss coaxial cable with a 4.2 mm bright blue outer jacket. It supports frequencies up to 34 GHz, making it versatile for microwave and RF applications.


The PSF-402 cable is known for its hand-formability, excellent shielding, and very low passive intermodulation (PIM), with a 3rd Order PIM rating of -120 dBc. Its construction includes a tin-soaked copper braid that provides nearly 100% RF shielding, enhancing durability by preventing solder joint failures and allowing tight bends. It can endure over 500 mating cycles.

The cable operates within a frequency range of 0 to 6 GHz, with a VSWR of $\leq 1.2:1$ at 3000 MHz and $\leq 1.5:1$ at 6000 MHz, ensuring...

[Read More](#)



RF Specification

Start Frequency:	0 GHz	Stop Frequency:	6 GHz
PIM, 3rd Order:	-120 dBc	 <p>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 ...</p>	
VSWR Measurement			

Frequency

3000 MHz

6000 MHz

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

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**

N Female

SMA Male

Body Shape

Straight

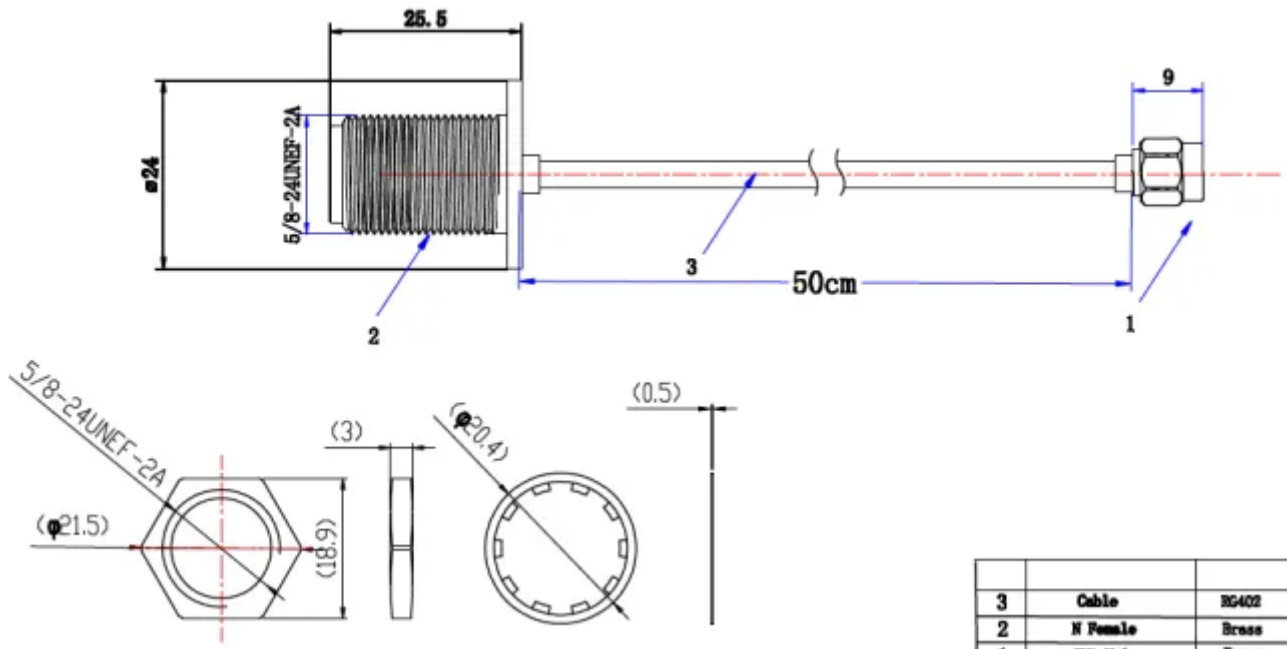
Straight

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

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.

