

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

SKU: ACC-PT-00363  
 MPN: CA-R402-N2SA1.030  
 Barcode: 9337692002533

## Description

The RG-402 Patch Cable N Female to SMA Male, 30cm (SKU: ACC-PT-00363) by Powertec is a high-performance coaxial cable designed for reliable RF connections. This patch cable features the PSF-402 series, a 0.141" semi-flexible, low-loss coaxial cable with a distinctive blue 4.2 mm outer jacket. It supports frequencies up to 34 GHz, making it an ideal choice for applications requiring efficient performance and cost-effectiveness.

The PSF-402 cable is hand-formable and microwave-grade, ensuring mode-free operation up to 34 GHz. Its tin-soaked copper braid provides near-complete RF shielding, and the malleable outer jacket reduces solder joint failures, allowing bends close to the fillet. The cable is 0.3 m long and weighs 58 g, withstanding over 500 mating cycles. It operates effectively between 0 and 6 GHz, with a 3rd Order PIM rating of -120 dBc.

This cable assembly meets ISO 9001 and RoHS certifications, ensuring quality and environmental...

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## RF Specification

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

**Frequency**

3000 MHz

6000 MHz

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

# Physical Specification

Subtype:	Patch Cable	Length:	0.3 m
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Mating Cycles:	> 500	Weight:	58 g
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Compliance/Certifications:	ISO 9001 Quality Management
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RoHS	
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**RF Connectors****RF Interface**

N Female

SMA Male

**Body Shape**

Straight

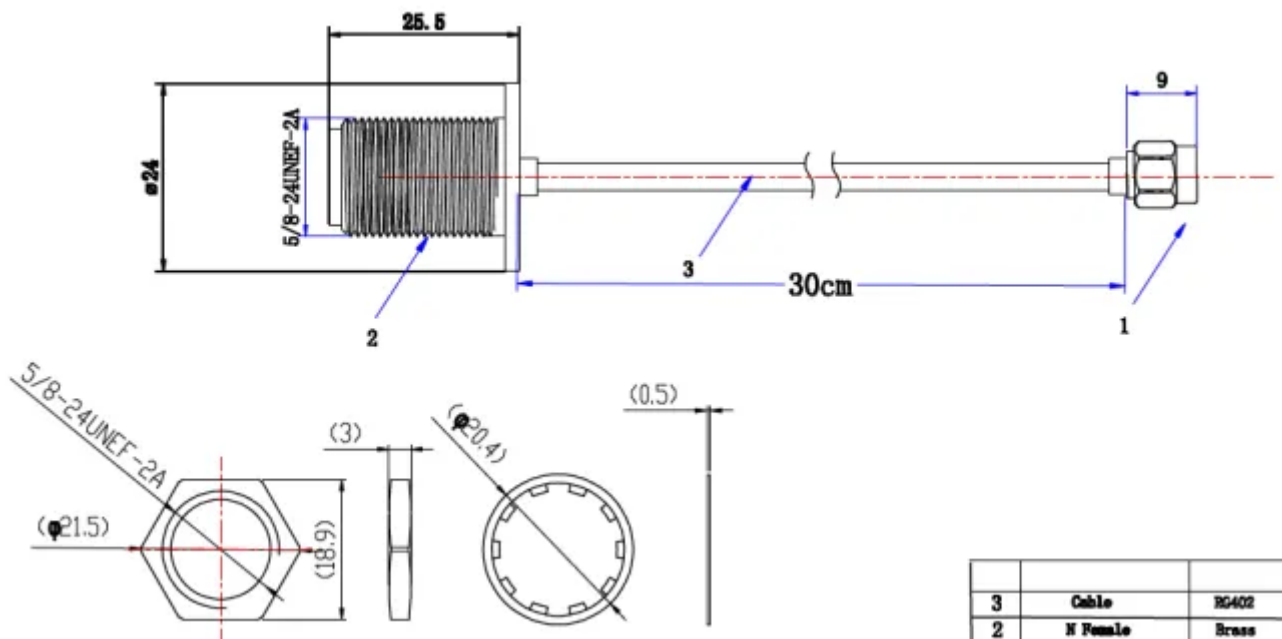
Straight

**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

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