

# 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...

[Read More](#)



# RF Specification

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

## VSWR Measurement

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

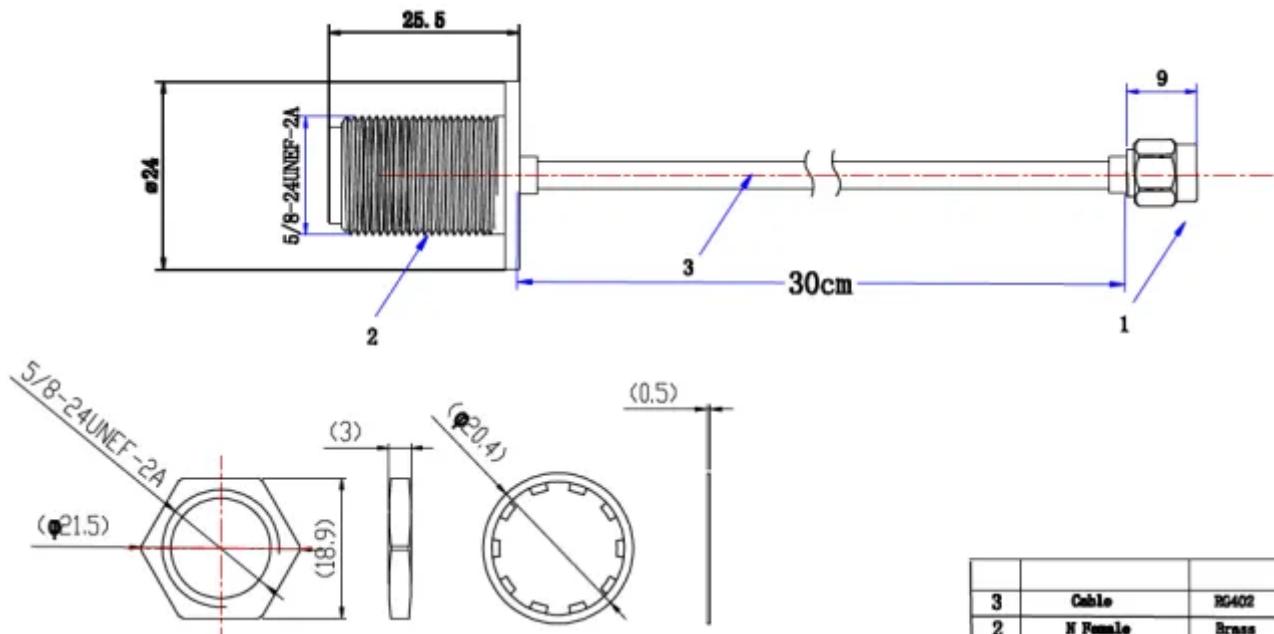
## Physical Specification

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

## RF Connectors

RF Interface	Body Shape	Mounting
N Female	Straight	Free Hanging
SMA 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.

