

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

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

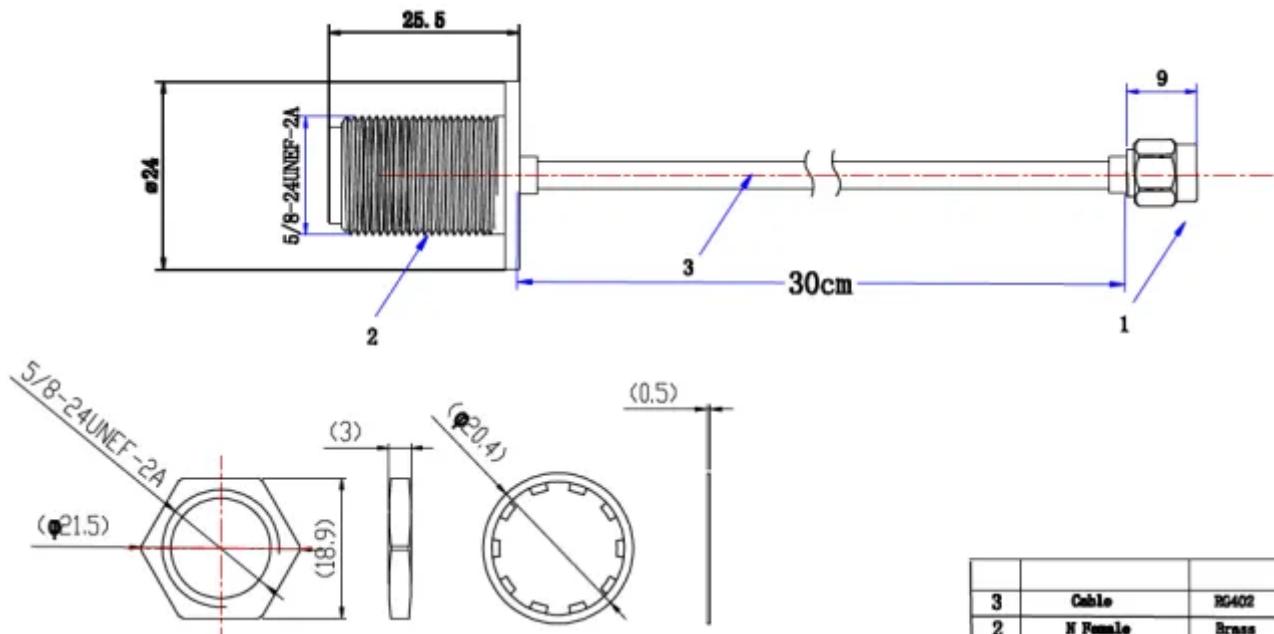
Physical Specification

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

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