

RG-402 Patch Cable N Male to N Male Low PIM 1m

SKU: ACC-PT-00369

MPN: CA-R402-N1N1.1

Barcode: 9337692002595

Description

The RG-402 Patch Cable N Male to N Male Low PIM 1m (SKU: ACC-PT-00369) by Powertec offers reliable RF connectivity for various applications. Crafted with the PSF-402 cable type, this 0.141" semi-flexible coaxial cable combines performance and affordability, supporting frequencies up to 34 GHz. Its bright blue 4.2 mm outer jacket is not only visually distinct but also enhances durability.

Key features include excellent RF shielding, ensured by a tin-soaked copper braid, and a malleable outer jacket that prevents solder joint failures, allowing bends close to the fillet. This cable supports over 500 mating cycles, making it suitable for frequent connections. Variations in colour aid in easy identification of radio chains.

The RG-402 is designed for a frequency range of 0 GHz to 6 GHz, with a 3rd Order PIM rating of -155 dBc, ensuring minimal interference. VSWR performance is $\leq 1.2:1$ at 3000 MHz and $\leq 1.5:1$ at 6000 MHz, maintaining signal...

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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

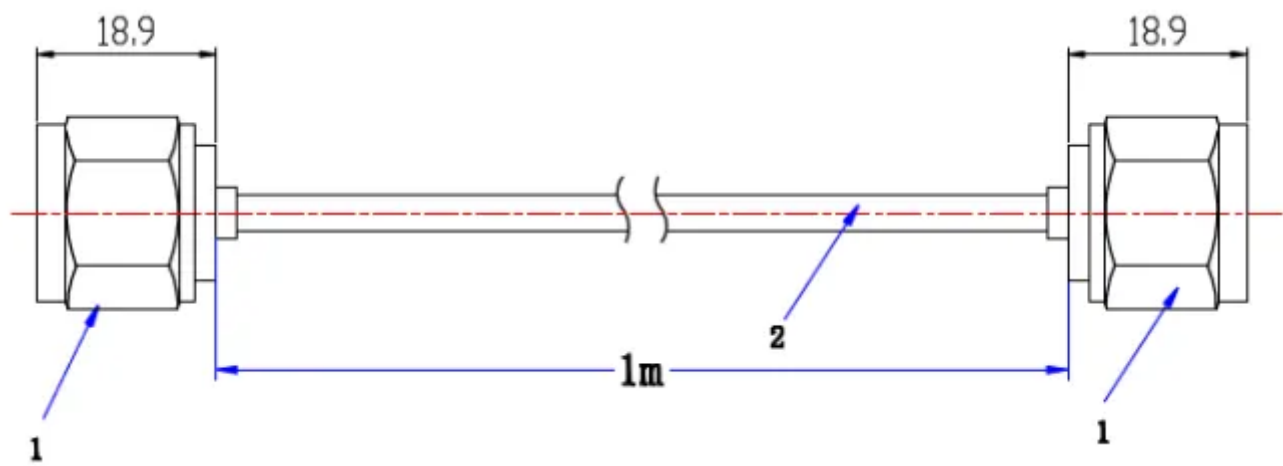
Physical Specification

Subtype:	Patch Cable	Length:	1 m
Mating Cycles:	> 500	Weight:	75 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

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