

RG-402 Patch Cable N Male to SMA Male Low PIM

50cm

SKU: ACC-PT-00305
 MPN: CA-R402-N1SA1.050
 Barcode: 9337692002526

Description

The RG-402 Patch Cable, featuring N Male to SMA Male connectors and measuring 50 cm, is engineered by Powertec for superior RF performance. Designed with Powertec’s PSF-402 Series coaxial cable, this 0.141" semi-flexible cable offers low loss and supports frequencies up to 34 GHz, making it ideal for efficient component interconnection. Its bright blue 4.2 mm outer jacket is not only visually distinctive but also highly durable, preventing solder joint failures and allowing flexibility with bends directly behind the fillet.

This cable boasts nearly 100% RF shielding thanks to its tin-soaked copper braid, and it is hand-formable, making it suitable for microwave-grade applications with mode-free operation up to 34 GHz. The RG-402 is known for its low Passive Intermodulation (PIM) with a 3rd Order PIM rating of -120 dBc, ensuring optimal signal integrity. It accommodates over 500 mating cycles, ensuring long-term reliability.

Operating...

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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:	0.5 m
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Mating Cycles:	> 500	Weight:	63 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 Male

SMA Male

Body Shape

Straight

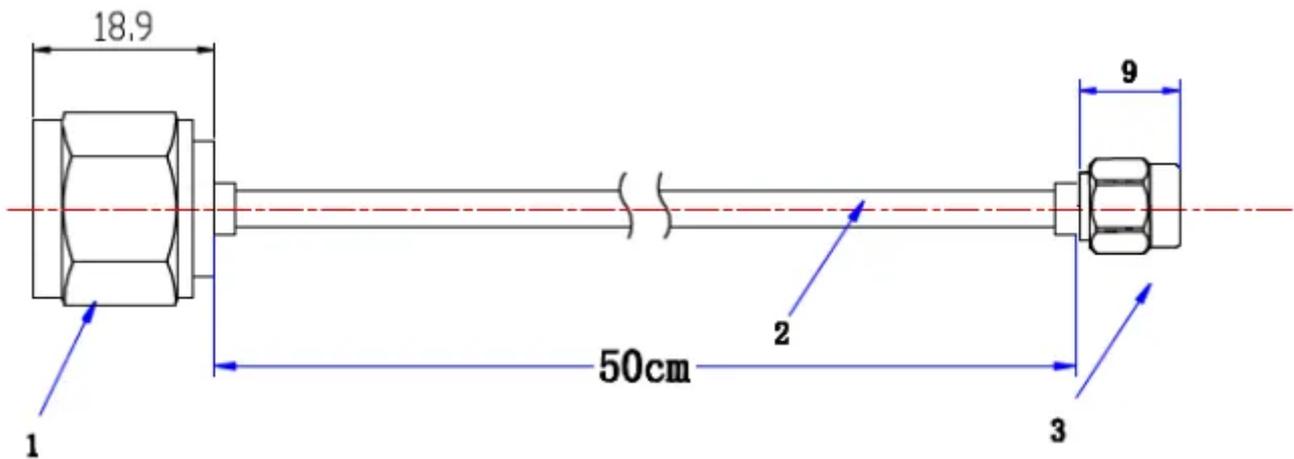
Straight

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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