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

SKU: ACC-PT-00374
MPN: CA-R402-N1SA1.1
Barcode: 9337692002793

Description

The RG-402 Patch Cable N Male to SMA Male Low PIM 1m (SKU: ACC-PT-00374) by Powertec is a high-performance RF coaxial cable ideal for seamless component interconnection. Featuring the PSF-402 series, this 0.141" semi-flexible coaxial cable boasts a bright blue 4.2 mm outer jacket, offering an efficient balance between performance and cost. Capable of supporting frequencies up to 34 GHz, the PSF-402 is a microwave-grade cable known for its easy hand-forming, excellent shielding, and very low passive intermodulation (PIM).

The cable is designed with near 100% RF shielding, thanks to its tin-soaked copper braid, and its malleable jacket reduces solder joint failures, enabling bends close to the fillet. It is 1 metre long, weighs 75 grams, and can endure over 500 mating cycles. It operates within a frequency range of 0 GHz to 6 GHz, featuring a 3rd Order PIM rating of -120 dBc. Compliant with ISO 9001 and RoHS standards, it ensures quality...

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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 ...

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

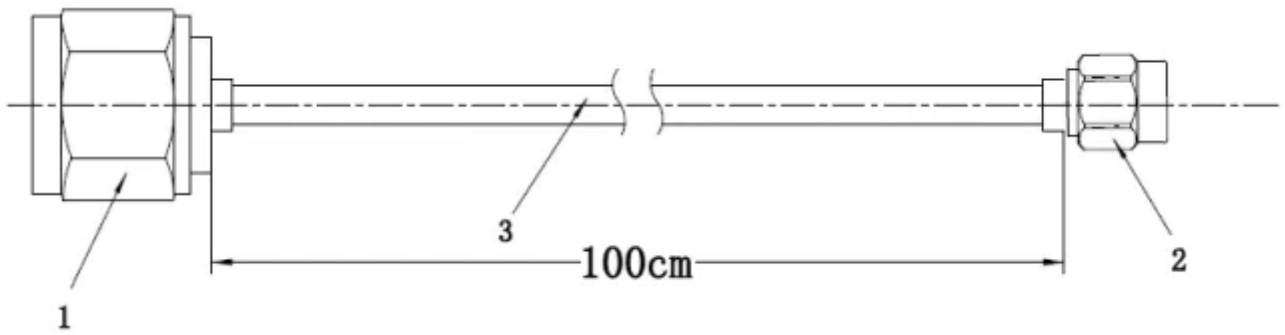
Physical Specification

Subtype:	Patch Cable	Length:	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
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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