Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

RG-402 Patch Cable N Male to SMA Male Low PIM 30cm

SKU: ACC-PT-00304
MPN: CA-R402-N1SA1.030
Barcode: 9337692002519

Description

The RG-402 Patch Cable N Male to SMA Male Low PIM 30cm (SKU: ACC-PT-00304) by Powertec is a high-performance RF cable designed for efficient component interconnection. Featuring the PSF-402 Series, this 0.141" semi-flexible coaxial cable offers low loss with a durable 4.2 mm bright blue outer jacket. It supports frequencies up to 34 GHz, making it ideal for various RF applications.

The cable provides excellent RF shielding with a tin-soaked copper braid, ensuring minimal interference. Its malleable outer jacket prevents solder joint failures, allowing for bends right behind the fillet, while its low PIM rating of -120 dBc ensures high signal integrity. Designed to withstand over 500 mating cycles, this cable is reliable for long-term use.

This 0.3 m cable, weighing 58 grams, features a N Male connector on one end and a SMA Male connector on the other, both with a straight body shape and free-hanging mounting style. It meets ISO 9001 and...

Read More

Powertec

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

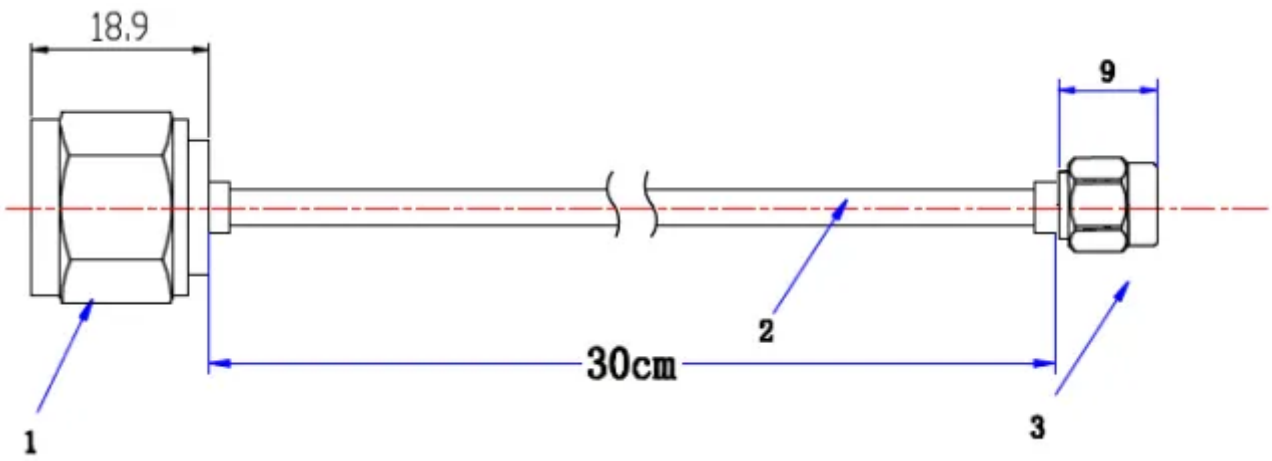
Physical Specification

Subtype:	Patch Cable	Length:	0.3 m
Mating Cycles:	> 500	Weight:	58 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

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.