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

SKU: ACC-PT-00367
MPN: CA-R402-N1N1.030
Barcode: 9337692002571

Description

The RG-402 Patch Cable N Male to N Male, 30cm (SKU: ACC-PT-00367), is a high-performance RF coaxial cable from Powertec, part number CA-R402-N1N1.030. Designed for demanding applications, this cable features a semi-rigid RG-402 structure, delivering superior RF shielding with a tin-plated copper tube, providing over 110 dB shielding effectiveness. It supports mode-free operation up to 34 GHz, ensuring optimal impedance control and minimal insertion loss.

Ideal for ultra-high performance systems, the RG-402 is commonly used in RF testing, electronic warfare, radar, and microwave radios. It requires specialised tooling for shaping, as it maintains precise dielectric and conductor spacing. Measuring 0.3m, this cable is built to endure multiple mating cycles, operating efficiently within a frequency range of 0 to 6 GHz, and offers a 3rd Order PIM rating of -155 dBc.

The cable is equipped with N Male connectors on both ends, with a straight...

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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:	-155 dBc		

VSWR Measurement

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

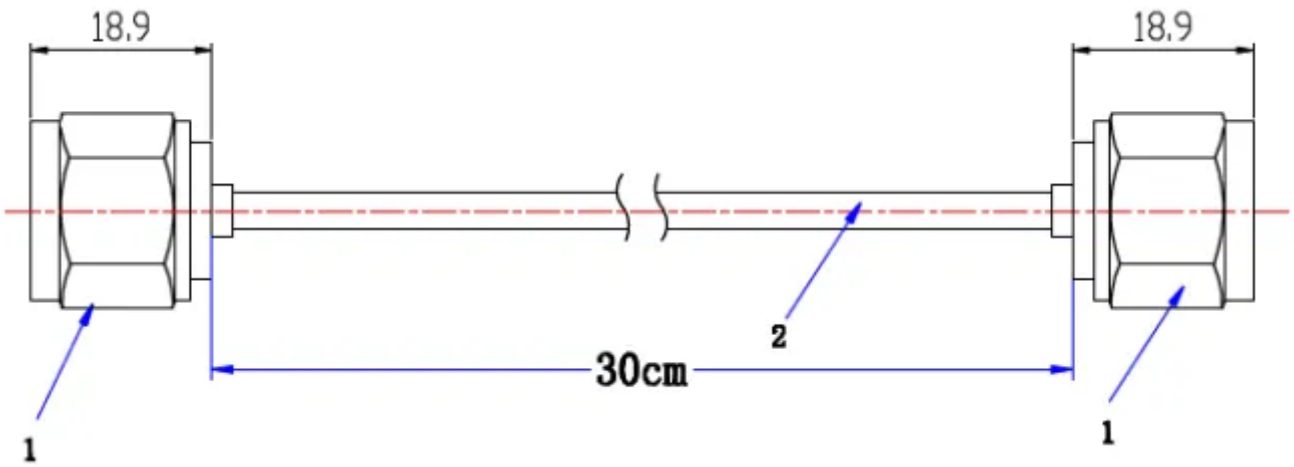
Physical Specification

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



RG-402

Min. Frequency:	0 GHz	Max. Frequency:	34 GHz
Impedance:	50	Shielding Effectiveness:	> 110 dB
Min. Bend Radius Static:	12.5 mm		
Attenuation @ 1 GHz:	0.37 dB/m		

Cable Layers

Layer	Diameter	Materials
Inner Conductor	0.93 mm	Silver Plated Copper Clad Steel (SCCS)
Dielectric	3.00 mm	PTFE / Teflon
Outer Conductor	3.58 mm	Copper Tube

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