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PSF-402 Patch Cable N Female to QMA Male Right Angle, 50cm

SKU: ACC-PT-00365
MPN: CA-R402-N2QA1RA.050
Barcode: 9337692002557

Description

The PSF-402 Patch Cable N Female to QMA Male Right Angle, 50cm, is a high-performance RF coaxial cable developed by Powertec. This cable features a PSF-402 type, 0.141" semi-flexible, low-loss design with a distinctive bright blue 4.2 mm outer jacket. It is capable of supporting frequencies up to 34 GHz, making it an efficient balance between performance and cost for various RF applications.

The cable's construction includes a tin-soaked copper braid providing near-total RF shielding, while its malleable outer jacket prevents solder joint failures, allowing bends immediately behind the fillet. This design ensures easy forming, excellent shielding, and very low Passive Intermodulation (PIM), rated at -120 dBc. The cable is 0.5 m long, weighs 63 grams, and withstands over 500 mating cycles.

One end of the cable features an N Female connector with a straight body and bulkhead mount, while the other end has a QMA Male connector with a right...

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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

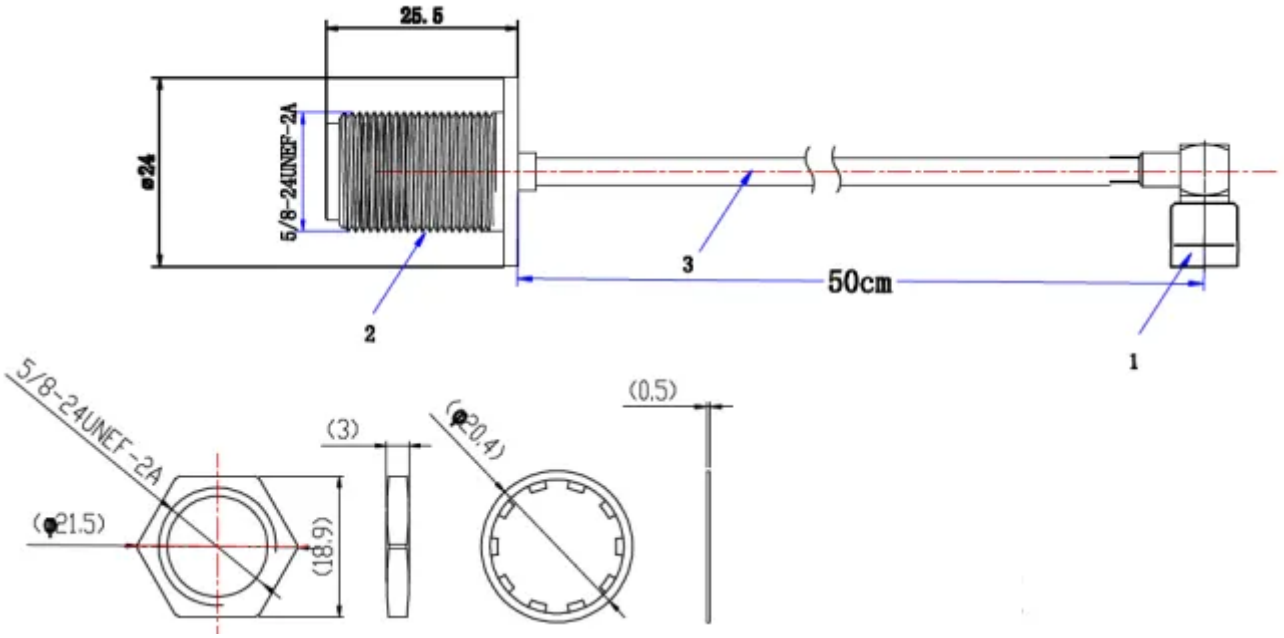
Physical Specification

Subtype:	Patch Cable	Length:	0.5 m
Mating Cycles:	> 500	Weight:	63 g
Compliance/Certifications:	ISO 9001 Quality Management , RoHS		

RF Connectors

RF Interface	Body Shape	Mounting
N Female	Straight	Bulkhead
QMA Male	Right Angle	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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